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BUY U.S. SAVINGS BONDS

WALLACES' FARMER AND Iowa Homestead

Good Farming *Clear Thinking* *Right Living*

Borer Control Up To You

This Borer spent winter in Harold Morris' crib in Dallas county, Iowa. Mike Donald, Waukee vocational agriculture teacher, digs it out for young Jerry Morris.

BORERS are present in Iowa in serious numbers. Unless something unexpected happens, there will be plenty of moths. And a new crop of borers heavy enough to do serious damage to Iowa's corn crop.

How your own corn fares in this situation is up to you. It is fairly easy to control corn borers well enough to avoid serious crop damage.

Or you can let them go and take a chance on a loss in yield that might range anywhere from three to thirty bushels per acre.

One thing is certain—yield loss is greater than most farmers think it is. Because you can't observe all the damage. You charge borers with broken stalks and fallen ears.

But how about the ears with shrunken tips, unfilled kernels? How big would they have been if borers hadn't infested the stalk or the shank?

Chemical treatment makes corn borer control effective, fairly easy, and not too expensive. For a story on control methods, amounts of chemical to use, and time of application, turn to page 9.

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JUNE 4, 1949

IOWA'S LEADING FARM NEWSPAPER

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Service

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Time To Move outside corn. Some farmers are selling corn that isn't in good cribs. Walter Der Hart, of Marion county, Iowa, has bought and is moving this corn home to help in feeding out his cattle and hogs. He feeds 70 cattle, 200 hogs a year.

INSIDE STUFF

PEOPLE on the ground disappear when you travel at 8,000 feet. So do tractors. So do trucks. So do automobiles.

▲ ▲

THAT'S ONE curious by-product of traveling by air. The whole land below looks deserted, as if folks had suddenly moved away. Nothing stirs. The houses are there. The fields are there. But that's all.

▲ ▲

LOOKING DOWN the other day, as I went from Des Moines to Milwaukee by air, I began to wonder about the absence of traffic on the roads. They all stretched out blank and empty, white lines on a green-tinted map.

▲ ▲

"THEY DON'T LOOK like that when I'm driving," I thought. "Wonder why everybody's staying home today."

▲ ▲

THEY WEREN'T staying at home. My eyes just weren't good enough to see movement at that distance.

▲ ▲

BEST PIECE of strip-cropping I saw on the trip was in eastern Iowa, somewhere west of Sabula. Strip-cropping shows up clearly in late May. But there isn't much of it.

▲ ▲

CORN IS OLDER than we thought. Four thousand years ago, Indians in what is now New Mexico were watching the blades of corn break thru the ground. Just as we have been doing this spring.

▲ ▲

WHAT KIND of corn did the scientists dig out of the New Mexico cave where they found the 4,000-year-old corn. A short and chunky ear, with a cob the size of a crayon. Each kernel had a husk of its own.

FOUR THOUSAND years ago, Indians grew pod-corn, not unlike corn grown by Indians in our period. Pod-corn is still grown by folks who like to experiment with corn strains.

▲ ▲

JAY NEWLIN, of Polk county, Iowa, brought me an ear of pod-corn which is probably very much like the corn grown 4,000 years ago. More like popcorn than regular corn.

▲ ▲

TESTS TAKEN in big and little high schools show that pupils in small high schools are not doing well in reading. I wonder why.

▲ ▲

I CAN SEE WHY a small school makes a poor showing in physics, chemistry, etc. Small schools don't have the equipment. But everybody has books.

▲ ▲

OR DO THEY? How big is your school library? How many books are there in your home — readable books for children of high school age?

▲ ▲

DO CHILDREN in your community have a chance to borrow books from a good library? How much reading do they do at home?

▲ ▲

CHILDREN must learn to read with speed and with understanding. But the schools can't do all the teaching. Homes have a part to play, too.

▲ ▲

I'M STILL TRYING to figure how many cherry trees I need to provide enough for the birds and for us. Up to date, we raise almost enough for the birds.

▲ ▲

WHILE I'M VERY FOND of our red-birds and threshers and robins, I like cherry pie, too.

DONALD R. MURPHY.

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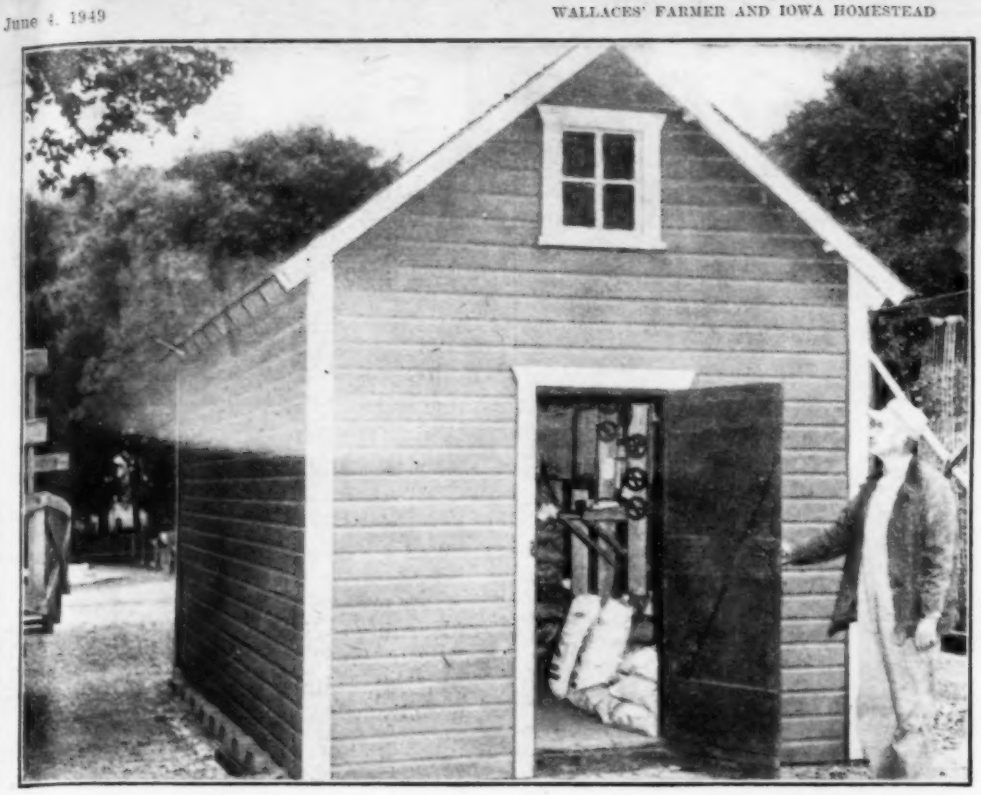


Resealing Corn paid for this building in 1940. F. W. Langerman, of Kossuth county, Iowa, is showing the building. Resealing fee was 10 cents for two years. Material cost $135. Capacity is 1,380 bushels.

Need Bins And Cribs

To Save Grain Delivery Jam At Elevators Next Fall

By HOMER HUSH

DRIVING across the cash grain areas of central and northern Iowa in the latter part of May, you could see something that looked like trouble for grain farmers.

There were full corn cribs on almost every farm. Many farmers had corn in round pens with temporary roofs.

The growing oats looked like a thick stand. The color was a deep green.

Corn was going into the ground in good time. Moisture was sufficient, but no water stood in the pot-holes. Elevator men said farmers were shifting some acres from beans to corn.

What A Change!

To get the picture, it is necessary to remember that just a year ago, after the short crop of 1947, the cribs were empty. Farmers were trying to figure out how to get pigs thru on oats until corn was ready to feed.

The cribs have filled up in one year. And farmers were asking in May: "What will we do with the corn next fall?"

Elevator men were wondering, too. And they were saying: "I hope farmers don't try to deliver all that sealed corn in September." A lot of folks fear a corn delivery jam.

Sealed Oats Went To Town

Will sealed corn all be delivered in September? Look at what farmers did with the sealed oats.

Almost no oats were resealed under the government offer to pay 8 cents per bushel storage for resealing. But the elevator men didn't worry about that.

"We're getting the oats out of the country," said Floyd Crim, manager of the Farmers Cooperative Elevator at Stanhope, in Hamilton county, as he read a telegram in his hand. The wire from the Commodity Credit Corporation said to send a car of oats to the coast for export. Other elevators had the same orders.

Why Didn't Farmers Reseal?

"The resealing program came out too late," said Jerry J. Bradley, Humboldt county farmer and PMA chairman. But maybe farmers would not have resealed oats anyway. Farmers offered several reasons for delivering oats.

Sealed oats delivered in payment of loans in May brought 10 cents more per bushel than the market would pay.

Empty bins resulted from delivery of the oats. The bins could be used either for new oats or shelled corn. It looked like a chance to ease the storage situation. So the oats went to town.

Elevator Men Look Ahead

"Next September may be like 1940 for corn delivery," said Raymond Pletcher, elevator manager at Florence, in Wright county. He could see lines of trucks and elevator men working day and night to handle the corn.

E. C. Kjeer, manager of the Humboldt Farmers Elevator, pointed out that September is delivery month for sealed corn, and it is also close to bean-harvest time.

"We couldn't handle all the grain if every farmer wanted to deliver his sealed corn next September." This reflects the thought of most elevator men.

Help From Elevators

Elevators are building new storage space. Capacity is from 50,000 to 150,000 bushels, and some even more.

New storage structures are aboveground at Blairsburg, in Hamilton county; Buffalo Center and Thompson, in Winnebago; Renwick, in Humboldt, and Ledyard, in Kossuth. Others have plans.

But elevators can't meet the problem alone. "It's only a drop in the bucket when you think of the grain produced here," said Ed Knoner, farmers elevator manager at Ledyard, as he looked at the partially finished 70,000-bushel storage structure being built there.

Farmers Will Build, Too

"Farmers took care of the surplus grain one other time," said Clarence Ulum, a Cerro Gordo county farmer and PMA fieldman.

Ulum recalled that he built a granary in 1940, when the government offered a resealing program. The two-year resealing fee, at 10 cents per bushel, lacked only $15 of paying for the building.

Jerry Bradley, of Humboldt county, recalled that he got a bin for nothing in the 1940 resealing program. The two-year sealing fee paid for it.

F. W. Langerman, Kossuth county farmer, led the way to the building he put up in 1940 for resealing corn. The building, 10x20x8 feet, held 1,380 bushels of corn. It cost $135 for material. The two-year sealing fee paid for it, and it has been useful for 10 years.

No Free Cribs This Time

Building costs are higher, farmers point out. The corn resealing fee may not pay for the entire cost of bins and cribs this time. But the resealing fee will make it possible for you to get cheap bins or cribs which will last for many years.

In small towns, either steel or wood bins are offered for 25 to 30 cents per bushel of capacity.

Some farmers are talking about building with lumber. In the other resealing program, storage units were later used for hog houses and poultry houses.

Farmers didn't like resealing ear corn in 1940, said J. L. Miller, manager of the Burt Cooperative Elevator, in Kossuth county. "It was too hard on cribs and too good a place for rats."

Are Farmers Building Now?

Some new cribs can be seen going up in the country, but farmers are thinking about some things that are more necessary to be done in June.

Corn can be sealed, either in the ear or shelled, up to June 30. Shelled corn, however, must be down to 13.5 per cent moisture.

Some farmers have dry, unsealed corn that they will try to shell before June 30, and seal it in bins. Others will seal ear corn before June 30. Then they can shell and reseal when the corn becomes dry enough, maybe in July.

Either of these methods will empty cribs for the new crop. There will be time later to build more ear corn storage.

May Save Jam

The corn storage situation could change again, as it did from 1947 to 1948. But there is little evidence of it now. Just average crops of corn and oats would jam all storage facilities next fall.

The encouraging thing is that most farmers realize what could happen. By acting now to provide storage space, they will save trouble later.

Editorials

Letting Air Out Of The Land Boom

IF YOU wanted to sell your farm at the peak of the boom, perhaps you should have got rid of it last summer. It looks now as if some of the air was coming out of the land boom.

In the last six months, farm land prices fell 10 per cent in Montana, 7 per cent in Colorado, 6 per cent in California and Texas. Corn belt prices were fairly steady.

One farm credit expert says: "Maybe we'd better check over the state laws on moritoria, just in case. If things really drop, we'd like to know the kind of deal that works best to stop mortgage foreclosures."

Mortgage foreclosures seem a long way off now, with most farm product prices still close to parity and farm income above parity.

But land booms do cause trouble as they shrink. Fortunately, Iowa did not swell up as much as most states this time. We won't have as much trouble as the air goes out.

National record is apparently held by Kentucky, whose farm land is 192 per cent higher than the 1935-39 average. Iowa showed a gain of 115 per cent.

That's bad enough for young fellows who were forced to buy at high prices to get a place to live and work. But Iowa is better off than most states.

He May Reseal

"Looks like I might reseal," says W. H. Bohlman, of Wapello county, Iowa. "The storage allowance for resealing would go quite a ways in buying a steel bin. This corn will be dry enough to shell and seal by September."

"To Live In The Same World At Peace"

"TODAY we are faced with the pre-eminent fact that, if civilization is to survive, we must cultivate the science of human relationships—the ability of all peoples, of all kinds, to live together and work together, in the same world, at peace."

This is what Franklin D. Roosevelt wrote the day before his death. He was preparing a talk on post-war problems.

The war wasn't over then. But he had a good hunch as to what he would be up against when it was over.

How are we getting along with the job of learning to live and work together with other nations? Not so good, up to date. The United States is spending 15 billions annually to get ready for World War III. How much money and time and energy are we spending on learning how to avoid World War III?

Out Of High School And Into Farming

"MY BOY is just out of high school," writes a farm mother, "and wants to start farming. I'd like to have him go to college for a while. What do you think? Shouldn't he at least try for two years at Ames?"

It depends on the boy. In general, it is good for a boy to get away from home, look at things thru the eyes of other people outside his community, and get new ideas about life and his place in it.

Whether a boy gets any good out of college depends on his high school training, his gift for study and his desires. If he wants to learn, he can profit from any school he attends.

What about taking two years at Iowa State College? That would be useful. So would two years at any other good agricultural college.

If a boy has no taste for college, and wants to start farming right away, encourage him to get a job with the best farmer you know, and one who is several counties away. Two years of work like this will teach him a lot.

Every boy—or girl—just out of high school needs time to look around and acquire new experiences. Going to college is one way of doing this, but there are other ways, too.

Price Cut Didn't Check Flaxseed

HIGH prices — $6 per bushel last year—got many farmers into flaxseed production. But lower prices—$3.99 this year—aren't getting them out of it very fast.

Intention-to-plant figures show flaxseed acreage only 3.6 per cent under last year. According to the U. S. Department of Agriculture, we would be better off with a cut of 30 per cent.

It happens that $3.99 is 90 per cent of parity for flaxseed. But it is a lot lower than the 1948 price. Still, few farmers wanted to shift to other crops.

Boosting prices certainly pushes production up. But how soon and how much is production cut when prices drop?

If U. S. Says: "Do This!"

Farmers Hate "Regimentation," But They Also Hate Low Prices

CORN belt farmers don't like to be told how much corn to plant. Or how much corn to sell.

They'd rather get along without allotments or marketing quotas.

Why? Allotments are hard to figure, difficult to check. If you say a farmer must cut 10 per cent from his five-year average, a farmer who has been mining his soil can do it easy. But a farmer who has been keeping plenty of land in legumes may have trouble.

Marketing quotas make more trouble. The farmer who stays out of the program has to have his corn crib and his silo checked up to see if he's keeping within the quota allotted him.

HOW likely are farmers to have allotments and marketing quotas under the Hope-Aiken law? Under the Brannan plan?

Under the Hope-Aiken law, allotments will probably be required on both wheat and corn for the 1950 crop. And farmers will probably vote on marketing quotas on each.

What would happen under the Brannan plan? Since the Brannan plan favors meat, eggs, milk and other livestock products over cash crops, production in these lines would be increased.

But this increased production would be sold to consumers at whatever price it would bring. If the market price fell below the support price, farmers would get a check for the difference.

So long as consumers bought food at fair prices, or so long as congress made up the difference between support and market prices, no production controls in feed or livestock would be necessary under the Brannan plan.

If Brannan supports and Hope-Aiken supports were at the same level, the Brannan plan would take fewer controls for feed and livestock.

With Brannan supports a little higher than Hope-Aiken supports, the Brannan plan might require as many controls as the Hope-Aiken law.

With Brannan supports a lot higher, more controls might be demanded than under the Hope-Aiken law.

BUT would these controls—even if they were used—actually cut production? We aren't sure.

Under the AAA, control programs improved soil fertility, built up reserves, and aided farm income. But they did not noticeably reduce feed or livestock production.

Would we do any better with controls under the Hope-Aiken law or under the Brannan plan?

The main hope for the feed and livestock producer is to expand the market, not to cut down total production.

Feed and livestock men can avoid regimentation if they can get more food eaten by consumers. How to do that best is the real farm problem now.

Pigs Coming Early In Iowa This Year

AS THE Wallace-Homestead Poll reported early this season, Iowa pigs are coming early this year. Here are the BAE comparisons of sows farrowing by months thru April:

	1948	1949
January	10,000	40,000
February	60,000	100,000
March	401,000	541,000
April	768,000	883,000
May	461,000	.....

Final May figures are not available yet, but the chances are the May increase will be fairly small.

Watch the pigs from those extra 200,000 sows in January, February and March. They could produce a million more Iowa pigs to hit the market in September.

Even so, it will still pay to hurry the pigs along. The big flood won't come until October or November.

For 50 Years We Only Held Our Own

FROM 1882 to 1933, production of food and feed per acre in the United States changed very little. These are the estimates of Dr. F. A. Pearson, of Cornell University. But from 1937 to 1948, production per acre jumped 24 per cent.

What made the increase? Good weather, better seeds, more fertilizer, or what?

Weather had lots to do with the change, particularly in the spring wheat belt, where production went up faster than in the corn belt. Lucky weather did wheat men more good than hybrid corn did corn raisers.

Will those increases continue? Or are we likely to level off again?

If we hit a few years of bad weather, our surpluses could shrink mighty fast. That's one reason why wheat farmers insist that we should build up a big reserve.

No Party Owns Farmers

ANY farm program should be a bipartisan affair. Both Republicans and Democrats raise corn and hogs.

More important, there are good men on both sides of the line in congress. Senator Aiken, of Vermont, and Representative Hope, of Kansas, happen to be Republicans. They also happen to have more skill and more experience in farm legislation than any other two men on the agricultural committees of congress.

Charles Brannan, secretary of agriculture, is a Democrat. He is also a man of unusual training in the farm field and with great imagination and skill in shaping farm programs.

When a farm program takes final form, Brannan, Aiken and Hope are going to be among the principal authors.

That's why we dislike to see Republicans trying to rally farmers behind the Hope-Aiken law. That's why we dislike to see Democrats insisting that farmers support the Brannan plan.

Actually, the Brannan plan and the Hope-Aiken law match in many particulars. Both have production payments. Both provide for allotments and marketing quotas. Both abandon the old 1910-14 parity base.

The Hope-Aiken law is now on the books. In many respects, it is a good law. It will be amended in many ways. Some of those ways are being suggested by Secretary Brannan.

We'll need the best features of both the Hope-Aiken law and the Brannan plan. And it will take statesmen of both parties to work out the right combination.

Odds *and* Ends

THIS has been a good spring to kill weeds. Early hot weather gave 2,4-D a better chance than when springs are cool and damp.

KEEP killing them. Weeds got a head start during the war years. Farmers haven't caught up yet.

STATE bonuses for veterans will give business a shot in the arm this year. And, sometime next winter, two billion dollars in federal repayments on veterans' insurance will be sent out.

THE government has had to buy a lot of eggs this spring to keep the price up to support levels. That's why some officials are urging that farmers go easy on raising any more pullets for next fall. Keep the laying flock next winter a little smaller than last winter is the advice.

WHAT were farm product prices like before the war? Sometimes we forget. In Iowa, on June 15, 1941, corn was selling for 61 cents, oats for 32 cents, hogs for $9.30, and soybeans for $1.20.

AN Illinois farmer writes: "The AAA program failed to reduce feed production because the diverted acres, used in grass produced as much livestock feed as when they were used for grain. The only way to prevent this is to put the diverted acres into legumes and grass, and use these acres for soil-building only, not for feed."

FARMERS with five-year mortgages are trying to turn them into 20 and 30-year mortgages. This should have been done a year ago. But better late than never.

MORE cotton is on the way, and the cotton surplus is piling up again. Meanwhile, consumption of cotton goods is falling off.

FARMERS' federal income taxes may help to pay part of the cost of old-age annuities under the Social Security Act. But farmers are excluded from these benefits until the law is changed to bring them under the act.

IN 1947, 75 per cent of the boys at Iowa State College who completed the two-year "farm operations" course went into farm work after leaving school. The percentage was even higher in 1948 and 1949. Dean H. H. Kildee gives us the information.

Song of the Lazy Farmer

UNLESS you live upon the land you simply can not understand the joy a summer rain can mean as it repaints the fields with green. Dry earth soaks up each welcome drop as eagerly as kids with pop; a shower drops the temperature like some big air conditioner, it washes out the atmosphere and leaves the air all fresh and clear; there is a new and cleaner smell that somehow makes you feel just swell. And if you want to snooze a bit there is no better time for it, the lullaby that raindrops sing makes sleeping wonderful, by jing.

Of course, there are folks who complain whenever it begins to rain; my neighbor hates to see it fall tho grass and grain may need it all, he can be shooting off his mouth about the dangers of a drouth and still begin to whine and cry when thunder rolls across the sky. It seems to come when he, somehow, has got hay down or corn to plow, or else he must forget about a trip to town 'til roads dry out. And poor Mirandy, she contends that rain is one of my best friends; she claims clouds always wait 'til she has outside work saved up for me.

Everyone agrees you should pick gilts from good litters. But the way you take care of your hogs is about five times as important as permanent differences in productivity between individual sows. The pictures show legume pasture at Berdo & Buck's and the type of waterer used by George Hora, Washington county, Iowa, hog men. Gilts in the second or third good litter from a sow are more likely to repeat their mother's productivity.

Is It Important To Test Sows?

It Pays, But Can Not Take Place Of Good Management Practices

DON'T sell sow testing short. It does get results. Constant selection for gilts and boars from the "right" mothers is necessary to hold your hogs at present levels of productivity. If you want improvement, careful selection becomes even more necessary.

But don't go off the deep end on sow testing, either. It won't make a good hog man out of you. The management of your hogs is far more important. At least, that is the way it looks to swine research men who have weighed thousands of litters.

Geneticist J. L. Lush, Iowa State College, says about one-sixth of the difference in size or weight of single litters produced by different sows of the same herd and breed are caused by permanent differences between the individual sows themselves.

The rest of the differences are caused by temporary circumstances that change from litter to litter even for the same sow.

Maynard Marner, of Johnson county, Iowa, has 133 spring pigs from 12 sows. They are away above average in size. The crossbred Duroc-Tamworth mothers, bred to a Poland boar, have farrowed three litters for him. They have raised an average of 10 pigs per litter—30 pigs each.

With him, it's management that pays off. Often, he buys the crossbred gilts from breeders who produce the Duroc-Tamworth cross just for the commercial pork producers in northern Keokuk and southern Johnson county.

George Hora, of Washington county, Iowa, has 334 pigs from 40 sows. Like all hog raisers, he is careful to pick the best gilts from the best litters. But most of his time and energy go to other management practices.

The Berdo & Buck partnership, Washington county, and Richard Stephens, of that county, are raising hogs in a big way Both have top-notch production records.

They do a lot of informal "sow testing." But they haven't time for the formal system usually thought of as sow testing.

That would include accurate records on number of pigs born and raised in each litter; 56-day weight on individuals and litters, plus weights at five or six months. Gilts are selected from the best dams.

Research men have proved the biggest pigs or heaviest litters at 56 days are the first ready for market. Conversely, colleges have shown the biggest pig at five months was the biggest at 56 days.

These good hog raisers know that. And they haven't time for the weighing and paper work. So they call on their experience and their eyes, and end up about the same as if they had used scales.

They watch for the same productivity in the dams of the boars they buy, too.

Marking the best litters is important. These farmers do that. Dr. L. N. Hazel, Iowa State College, suggests marking at two or three weeks, instead of at birth.

"You have a better idea then," he says. He also suggests saving gilts from sows with records of two or three good litters. That weights the scales in favor of the gilts carrying on their dams' productivity.

Wisconsin hog specialists have a score card for the farmer who wants to use it. College specialists in that state help with necessary weighing and record keeping.

They allow one point for each pig farrowed, plus two points for each pig raised. They divide the five-month litter weight by 100 and add that many points. Each individual gets seven-tenths of a point for each pound over 75 at five months.

A sow farrows a litter of 10, raises eight, and the litter weighs 1,600 pounds at five months. Each pig in that litter has 10 plus 16 plus 16, or 42 points. Now, the gilt you are rating weighs 175 pounds, so she has 70 points, or a total of 112

Another gilt may be from a litter of eight farrowed and raised, and the litter weighs 1,500 pounds at five months. This gilt is the big one of the litter, and weighs 200 pounds, so she has scored 8 plus 16 plus 15 plus 87, or 126 points. You'd save the second gilt.

Such a system has improved productivity on farms where it has been followed in Wisconsin. But if you can't hire someone to do the weighing and record keeping real cheaply, you'd boost hog profits faster by taking better care of your hogs.

Maynard Marner of Johnson county, Iowa, has 133 pigs like this from 12 Duroc-Tamworth sows. These sows have raised an average of 10 pigs per litter for three farrowings. At weaning time this spring, the largest of the 133 pigs weighed 64 pounds.

Corn Borer Control

HERE IS THE PROBLEM

By WALLY INMAN

IT'S time to keep your eye on your corn—and watch for the corn borer egg masses. That's especially true as soon as your corn is 35 inches high with the leaves extended.

Maybe you've used all the control measures possible, but you still have corn borers. Then chemical treatment is the only thing left.

One borer per corn stalk is supposed to give a 3 per cent reduction in yield. Three borers per stalk will cut yields 10 or 15 per cent. On 80-bushel corn, that's 10 or 12 bushels per acre.

So control will pay in increased yields if you can find anywhere near 50 egg masses per 100 stalks. Look for them on the under-side of the leaf, near the middle rib.

If you could have ideal conditions for treatment, you'd have all the egg masses ready to hatch at one time. Then one treatment would give good control.

As it is, however, try to treat when the most of the egg masses are in the black-head stage. That's just before they hatch.

Then keep your eye on the corn, and if you still find a lot of new egg masses a week or 10 days after the first treatment, it may pay to treat again.

It would be nice if the corn borer moths all laid their eggs at one time. But they might not do this, so keep looking for the egg masses.

Now, about the treatment. You can treat with either air or ground equipment and with either spray or dust. DDT is the most plentiful of the effective materials.

Use DDT everywhere except on silage corn which you intend to feed to milk cows. Or which you intend to feed to steers just before they are to be sent to market.

On that corn, you can use a ryania compound. Or, if you are sure it is going to be cut early for the silo, you may not need to worry much about dropped ears or other corn borer damage.

If you dust with ryania, you'll want to use about 16 pounds of a 40 per cent dust per acre, applied with a carrier at the rate of 40 pounds per acre.

As a spray, the recommendation is six pounds of a 100 per cent ryania compound in 15 gallons of water plus a wetting agent, per acre.

But most of you will use DDT as a spray or dust.

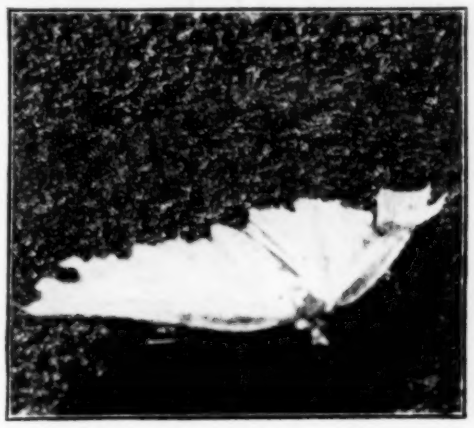
You want to put on one to one and one-half pounds of actual DDT per acre if you spray. With dusting equipment, use one-half pound more actual DDT per acre. That goes for both ground and air equipment.

Low gallonage ground equipment, operated at fairly high pressures, using a DDT emulsion, gives excellent results. You can also use DDT as a wettable powder if your equipment will put on more than 20 or 30 gallons of water per acre.

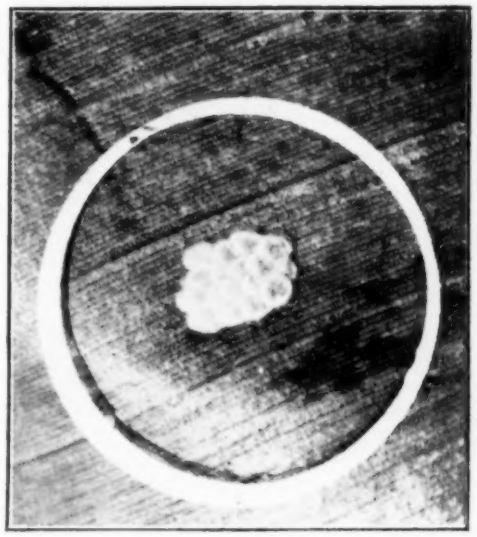
Use a wetting agent for better results with wettable powder.

You want good coverage at three places on the corn plant: The whorl, or center of the plant, where the tassel will be; the leaf axils, where the leaves wrap around the stalk, and later, if the corn is that far along, at the shoots or developing ears.

A nozzle which gives a cone type spray gives best results. You have to adjust it to fit your boom, but one good method is to carry one nozzle over the corn row and one on each side, pointed at the row.



Maybe this corn borer moth is so bedraggled because she's finished her egg-laying. Moths do most of their flying during the night.



Mass of 18 corn borer eggs on a leaf of corn. Chemical sprays should be applied just as the egg masses are ready to hatch.

GRASSHOPPER REPORT

GRASSHOPPERS are hatching in Iowa now. Rain kills many young 'hoppers; dry weather helps them.

Watch for them in the fence rows, along roads and in pastures. It's better to treat small hatching areas several times than whole fields later.

You can kill baby 'hoppers with ½ lb. of technical chlordane, ¾ lb. of toxaphene per acre, or BHC used per maker's instructions. Later, it takes twice as much chemical, and you'll have more acres to cover.

This Is The Answer

Usually it doesn't pay a farmer to treat corn for borer control unless the corn is 35 inches high (with the leaves extended) say the entomologists at Iowa State College. Most of the borers that hatch from corn which is smaller than that will die from natural causes.

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Drilling corn on the contour is Alfred Christensen, Audubon county, Iowa. Christensen has been contouring since '45, and thinks it's well worth the extra work. Spraying, he says, will handle the weeds.

How Kill Weeds In Contour Corn?

Sweeps And Disk Hillers, 2,4-D Are The Answers To Weed Problems In Drilled Corn

"CONTOURING corn is all right if you can keep the weeds down," said a southwest Iowa farmer.

"But my neighbor's contoured cockleburs wash into my clean fields. I cross my rows and keep them clean."

That farmer put his finger on what many farmers feel is the big objection to contouring. They will admit that working corn ground on the contour will save soil and hold more water.

"But," they say, "what's the use of going to the extra work of contouring if weeds take all the extra benefit?"

These men certainly have a point. When you can't cross corn rows, weeds are more likely to get away from you. But in many of the rolling, hilly sections of Iowa, you can see a good, clean field of contoured corn. Then; a couple of miles down the road, there's a field showing a lot of foxtail, cockleburs or morning-glory.

Why the difference? Is one man a better farmer than the other? Or does better equipment make the difference?

Some men use their regular cultivators and do a good job of getting the weeds. Others use a power sprayer to kill off the weeds.

A farmer who depends on his cultivator to get the weeds on his contouring is Niels Juel, Audubon county, Iowa.

Juel uses sweeps instead of the pointed, spear-head shovels the first time he goes over his contoured corn. He sets the sweeps in as close to the corn as possible.

"The first cultivation is when you really clean your corn. You get the weeds when they are just coming thru."

Juel's neighbor to the south—Alfred Christensen—has been contouring since 1945. He says contouring makes a lot of work at plowing and corn-picking time. But he thinks it's worth it.

Last year, however, Christensen ran into some trouble. He had put in 20 acres of popcorn on a field that had some morning-glory infestation. "Last year was a great one for morning-glories," he said. "And they were just about to take the field.

"I did not know if I would get even part of a crop off that field.

"So I went to town and bought a sprayer. We sprayed and got a very good kill. From that field last fall, we got $1,800 worth of popcorn.

"If you are contouring, you should own a weed sprayer, I believe," Christensen concluded.

There isn't any special trick to keeping weeds out of drilled corn. But you can't let them get the jump on you. The harrow or the rotary hoe, used before the corn is up or when it's small, will help keep the foxtail down.

Experiments at Iowa State College, before the war (and before 2,4-D came into use), indicated that sweeps and disk hillers worked better than the regular spear-head shovels.

Six sweeps per row and rotary hoe shields made up the best outfit for first cultivation when the corn was small, experiment workers found. If first cultivation could be held off until corn stood about six inches high, they took off the shields and used half-sweeps on the inside shanks.

For second cultivation, disk hillers replaced sweeps on the inside shanks. On third cultivation, they liked disk hillers on inside and middle shanks, with sweeps on the outside.

Yes, the equipment for killing weeds in drilled corn is available. With good timing, your cultivator should be all you need to take care of weeds.

But if you're up against a bad weed problem, or if bad weather lets the weeds get ahead of you, you have 2,4-D to fall back on.

No farmer need hold back from contouring because he is afraid of weeds. The tools are here to control weeds in contoured corn.

MAYBE YOUR GRANDMOTHER was one of the ladies we met in the oil lamp days, when we started in business. In the 'Nineties, kerosene was our principal product, gasoline a rather useless by-product.

THE STANDARD OIL wagon was a familiar sight around the turn of the century. It was especially welcome after we found a refining method that took the sulfur smell out of certain types of kerosene.

WHEN THIS CAR was new, in 1912, gasoline was becoming important—but the Burton process, with which Standard pioneered high quality, low cost gasoline in quantity, was not yet in operation.

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WE MET MARIANNE LEWIS when her father received a check that covered a good part of the expense of her birth. Mr. Lewis works for us, you see, and participates in a fine, broad employee benefit program.

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SOME PEOPLE WE'VE KNOWN IN OUR FIRST 60 YEARS

• As Standard Oil celebrates its sixtieth birthday this month, we are thinking with gratitude of the people we've known.

Among them are all the employees of this company and its subsidiary companies—drillers, transportation workers, refiners and marketers. They now number 48,000 men and women—an integrated team, working together efficiently to bring you quality petroleum products at economical prices.

We're thinking of the 97,000 present owners of Standard Oil, and the many thousands of independent service station operators who now handle our products.

And we're thinking of our millions of customers whose demand has grown and kept us growing through the years.

To all these people—to you—we say, "Thanks for the memories of our first sixty years."

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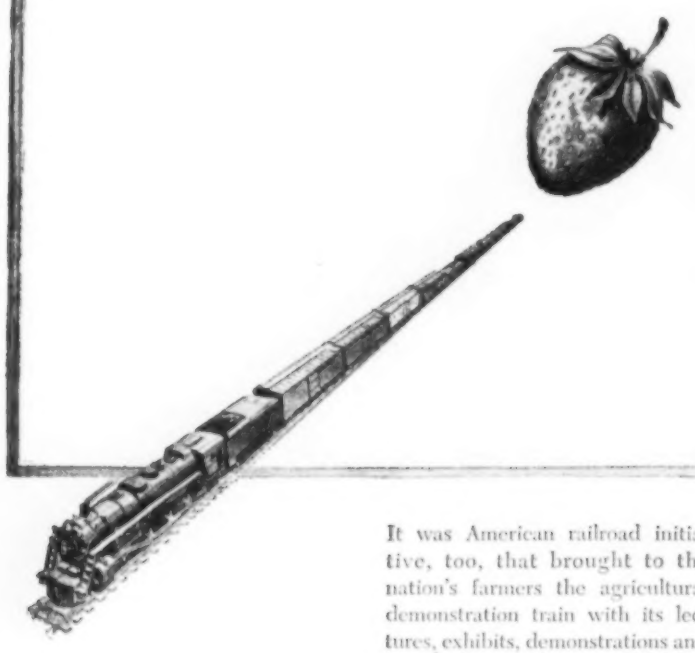
Strawberries... from Cactus Plants?



No, not quite! But to a foreign businessman on his first visit to the U. S., it seemed that *must* be the answer when in mid-winter at a smart desert hotel, he was served fresh, luscious strawberries.

To his question "How, please, do they grow strawberries *here*?" there came an immediate answer.

"They don't. They ship 'em in instead. Fresh or frozen, in refrigerator cars—by railroad. Get 'em all over the U. S. that way."

But even that doesn't tell the *whole* story of the railroads' cooperation with producers . . . For railroad agricultural agents help introduce new crops or new varieties which create new income for farmers as well as more traffic for the railroads. They work with government agricultural departments, and their agents, not only to find better ways of shipping but also to help develop new markets for foodstuffs and livestock.

It was American railroad initiative, too, that brought to the nation's farmers the agricultural demonstration train with its lectures, exhibits, demonstrations and free bulletins—products of college classroom and laboratory.

This is something beyond the routine job of seeing that cars arrive promptly for harvest . . . that foodstuffs are properly iced en route . . . or that livestock gets fed and watered on the way to market. In seeking to improve their services, the railroads strive constantly to help themselves by helping others *still more*. And this practical viewpoint has made the American railroads the most efficient, most economical, self-supporting mass transportation system in the world.

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He Had A Good Landlord

At First, Clifford Bever Didn't Think So; Now The Farm Is All His—Debt-Free

How would you like to have a landlord who takes as much interest in you as in the farm? Or one who is a good enough farm manager himself that he can show you how to make more money? Or the kind who hopes you'll own the place yourself some day? You will enjoy this story about Clifford Bever—who was lucky enough to have all three.

THE click of the corn planter will have a different sound to Clifford Bever this spring. He now owns the land he is farming and the home he lives in—free of debt. He faces the future with complete confidence in his ability to meet any problems that may be encountered.

Therein lies the end to a story of successful landlord-tenant relationship.

Bever and his wife were renting a low-yielding, 122-acre farm in Keokuk county, Iowa, back in 1938, when a car drove into the yard one day. J. J. Wallace got out and walked to the house.

He told the Bevers that their landlord—C. R. Musser, of Muscatine, Iowa—had given the farm, along with eight others, to the Iowa State College Agricultural Foundation. Wallace had the job of managing these farms.

The Bevers' reply was short and to the point: They wanted nothing whatever to do with the Iowa State College Agricultural Foundation. As far as they were concerned, Jim Wallace could look for another tenant after March 1.

Clifford Bever laughs about it now. But it wasn't funny then, he says. Times were hard. The weather was dry. And the Bevers figured they didn't want to be hooked with a "lot of impractical ideas of a bunch of bookish college professors."

Wallace told them they wouldn't have to do anything they didn't want to do. By the end of the year, so many interesting things were happening that moving off the farm was forgotten.

The place was in pretty bad shape. Wallace encouraged the Bevers to fix up the house and yard. The Foundation bought yard fencing and grass seed; the Bever family did all the work.

Bever planted hybrid seed corn for the first time. The land was limed and seeded to legumes. The crops did well. As the years went by, the Bevers were not getting rich by a long way. But they made more money than they had made before.

And—what is also important—they and Jim Wallace had developed a respect for each other, and had fun working together.

One day, Wallace proposed that he and the Bevers go into partnership in raising hogs—the farm was not large enough for a partnership deal on the whole business. Wallace said he had some ideas on hog management that were proving out on other Foundation farms.

"I guess my hogs did look sort of scrubby to Jim," Bever said, chuckling. He agreed to the deal.

Cross-breeding was started. Then Wallace bought some hog-tight fence, steel fence posts, movable hog houses and self-feeders. The hogs were moved to clean ground.

That much was okay with the Bevers. But they were not too sold on the idea of self-feeding high-priced protein feed. Hogs were selling for $5 per hundred in the summer of 1940, and the protein feed was disappearing fast.

Sound seems to carry better on hot nights. And, as the Bevers' neighbors tried to sleep, they heard the steel self-feeders "clanging" as the hogs ate. Bever got

He Got along first-rate with his landlord. And now Cliff Bever owns his own farm.

lots of kidding. "We heard your 'cash registers' last night, Clifford," they told him.

But, at six months, those pigs weighed 240 pounds, and they were ready for market. They sold for $5.50 per hundred. The neighbors weren't ready to sell for another 60 days—when hog prices were lower. For each 100 pounds of pork Bever produced, it took only six bushels of corn and 32 pounds of protein supplement.

Seeing is believing. Before long, there were "cash registers" all over "Cracker's Neck"—as the community where the Bevers live is known.

The Bevers were the first in Cracker's Neck to try out Boone oats. That was back in 1942. Their oats went 40 bushels per acre that year. Most of the oats in the community did about 25 bushels.

They were the first to use Clinton oats, too. Their crop yields consistently have been the highest in their their threshing ring. They were the first to farm on the contour and to build terraces.

Bever stepped up the hog end of his business to 26 litters as the war-time demand for pork developed in 1942. It was hogs that really paid for the farm. Chickens and dairy cattle paid the living

Records help the Bevers see what they are doing. Mrs. Bever is the bookkeeper.

expenses for the Bevers—but the hogs bought the farm.

Wallace and Bever always discussed management decisions before any action was taken. Wallace's philosophy is that a tenant has to be sold on an idea before he can be expected to do his best to make the idea work.

Bever gives war prices a lot of the credit for the chance to become a farm owner. But he says the Foundation, as landlord, made it possible for him to take full advantage of the conditions.

For the last four or five years, Bever had been looking forward to the day when he would own the farm himself. He finally decided there was no point waiting any longer—so he bought the farm and paid cash for it.

This was no snap decision, however. Here's the way he sized up the situation: He figured that land prices are not going to go down very fast. There are too many people like himself who are waiting to buy a farm, he reasoned.

Then he looked at the landlord's net income from that farm—$1,831 in 1947 and $2,092 in 1948. He figured he would be better off getting that landlord's share for the next few years than to wait for land prices to go down.

Besides, his own savings would earn him more money if invested in the farm than in bonds or in a bank savings account.

Bever plans to go right ahead with the program now on the farm. He is sold on the three-way hog cross. He'll keep 15 sows, raising two litters per year from them. He has 10 to 12 milk cows which he breeds to a beef bull, generally buys a few more calves to go with those he raises.

He plans to continue his six-year rotation—corn, oats with a seeding of sweet clover, corn, oats, alfalfa, alfalfa. He likes this rotation because he always has his corn following a legume.

The story wouldn't be complete without mentioning Mrs. Bever's help in this successful quest for ownership. In operating the farm, the Beavers work as a team. Mrs. Bever keeps a complete farm business record and has mastered the job of analyzing records.

There is an old saying that "the proof of the pudding is in the eating." Not only have the Bevers gained debt-free ownership of the land they till—but also they have helped their married daughter buy a home in Ottumwa and their married son get started on a farm of his own.

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"It's a pleasure to be able to help folks out this way! It's satisfying for me as well as them. And, with my extra-fine Skelly products to back me up, I know I've got everything I need to KEEP my customers pleased and happy, day in and day out!"

You'll find this attitude typical of Skelly Tank Station Salesmen and Jobbers everywhere in Skellyland. You're missing a lot of those little but important "extras" in farm service if you've never bought the Skelly way. Start now . . . contact your friendly Skelly Tank Man TODAY!

All Skelly products are money-back guaranteed to satisfy! The complete line includes Skelly Supreme Motor Oil and Skelly Fortified Tagolene greases, fuels, and accessories. ORDER TODAY!

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Guy Harris, owner of the Harris Seed and Feed Store, of Centerville, Ia., shown in his new store. "I'm happy to recommend Pay-U Fly Spray," he says, "because the new ingredient, Methoxychlor, it contains is the modern, safe way to knock flies out quick!"

Methoxychlor...New Safe Way to Kill Flies Quick

"If you want to kill flies that DDT may not kill, and get 'em quickly and safely, then use a fly spray containing Methoxychlor," advises Guy Harris, popular feed and seed store merchant of Centerville, Appanoose County, Ia. "I like to recommend the new, improved Pay-U Fly Spray because it contains this new, powerful, insect-killing ingredient."

Harris also tells farmers in his community, "Pay-U is especially safe to use in dairy barns because —unlike a DDT spray—you can use it on your cows and in the dairy barn without any harmful effects."

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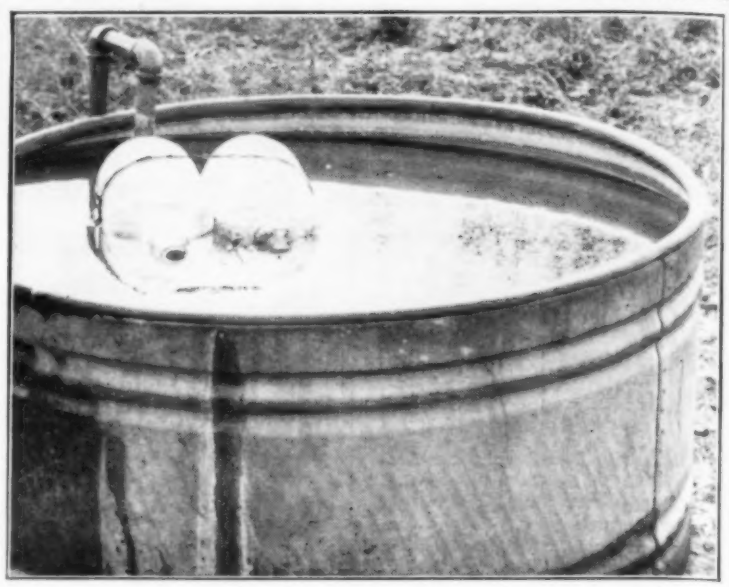

Float for stock tank on Iowa State College pasture test farm in Monroe county, Iowa, is made from two jugs tied together. The jugs are fastened to valve, give perfect control of the water level.

Cob-Fed Cattle Make Cheap Gains

Iowa State College Checks Ration Of Low-Cost Fiber Plus Urea, Molasses

CORN cobs and urea probably would make profitable beef if the price of corn were high enough and if you weren't in any hurry to get your cattle to market.

But with corn at $1.25, and with cattle on feed for less than six months, feeding trials just completed at Iowa State College resulted in a loss per steer of from $3.10 to $6.10 for cob-fed cattle.

On the other hand, test cattle on a shelled corn ration made good money—$25.47 per steer—in spite of their high price as feeders. Two lots of silage-fed steers also showed a profit.

Results were announced and farmers saw the experimental cattle at the annual Iowa Cattle Feeders Day on the college farm, May 27.

Ground corn cobs have been tried as cattle feed at experiment stations and by farmers for several years.

Urea is comparatively new as a feed. It is not sold to farmers yet, but feed mixers can get it. Its value is as a protein substitute. One pound of urea is said to contain as much nitrogen as about six pounds of ordinary protein.

The cattle on which the unusual rations were tested weighed 725 pounds at the start. They were Herefords, and cost $26.35 in the feed-yard.

The cattle were evenly divided into six lots of eight head each. Then they were fed 120 days on six different rations. After the first 120 days, the cob-fed cattle were given a half-feed of corn for 43 days.

LOT 1: These cattle were fed the very common ration of shelled corn, silage, hay and 1.5 pounds per day of protein feed. The corn was full-fed.

Results: The cattle gained 2.86 pounds per day. The cost of gains was $18.96 per hundred pounds. It was figured that the cattle would have to sell for $25.31 in Chicago to break even.

A committee of packer buyers and commission men appraised the cattle at $27.25, Chicago basis. The profit per steer over feed costs was $25.47.

LOT 2: These cattle were fed corn silage thru the whole feeding period. They also got 2.5 pounds of protein feed and hay.

Results: Gains were 2.18 pounds per day. Cost of gains was $16.27 per hundred pounds. Necessary selling price to break even was figured to be $25.01.

The cattle were appraised at $25.50, Chicago price, and profit over feed cost per steer was $4.41.

LOT 3: Silage with urea was tested in this lot. The cattle got one pound of protein feed instead of 2.5 pounds, as in Lot 2. Then 0.2 of a pound of urea was added to make the protein content of the feed equal to that in Lot 2.

Results: The cattle gained 2.04 pounds per day. Feed cost was $14.60 per hundred pounds. Necessary selling price was $24.62.

The cattle were appraised at $25.50, Chicago price, and profit per steer over feed cost was $8.58.

LOT 4: Ground corn cobs were the base of this ration. To the cobs were added 2.5 pounds per day of molasses and 0.2 pound of urea. The cattle also got 2.5 pounds of protein feed and the same hay feed as in all lots.

Results: Gains were 1.62 pounds per day. Cost of gains was $16.15 per hundred, and the necessary selling price to break even was $25.32.

The cattle were appraised at $25, Chicago, and the loss per steer under feed cost was $3.10.

LOT 5: This lot of cob-fed cattle got the same feed as Lot 4, except that 2.5 pounds of ground corn was substituted for the 2.5 pounds of molasses. Urea, protein feed and hay were unchanged.

Results: The steers in this lot

gained 1.55 pounds per day. Cost of gains was $17.47 per hundred. The necessary Chicago selling price to break even was figured to be $25.76.

The steers were appraised at $25, Chicago price. Loss per steer under feed cost was $6.10.

LOT 6: This lot of steers was fed cobs and a double shot of urea. The protein feed was cut down to one pound per day. The cobs, molasses and hay were the same as in Lot 4.

Results: The steers gained 1.64 pounds per day. Cost of gains was $15.81. The necessary selling price was $25.24.

The cattle were appraised at $24.75, Chicago price. The loss per steer under feed cost was $3.61.

The cob-fed cattle in Lots 4 and 5 were given the ration above for 120 days. Then they were put on a half-feed of corn for 43 days.

The cattle in Lot 6, which were getting the double shot of urea, were changed 30 days sooner, as they were not doing well on the high urea ration. They were fed the ration above for 90 days and then given a half-feed of shelled corn for 73 days.

Farmers in the Cattle Feeders Day crowd were interested in the looks of the cattle and the interpretation put on the results by C. C. Culbertson, who had charge of the experiment.

The cattle in Lot 1, which were full-fed on corn as a check lot, carried a good finish. Briskets were tight, and the fat covering was good.

The silage cattle also had a good appearance, but were not so well covered with fat. There was little difference between the silage-fed cattle in Lots 2 and 3. Lot 3 steers got part of the protein from urea.

The cob-fed cattle looked surprisingly good to many farmers. They lacked the finish of the other cattle, but they had put on flesh and looked as if they would make eatable beef.

Culbertson pointed out that the cost of gains was less on the cob-fed cattle, compared with the cattle full-fed on grain. But gains per day were over one pound less.

He said there was no doubt that you could save corn by feeding cobs. He suggested that half cobs might make a good ration in the early feeding period.

With regard to feeding urea, Culbertson said the experiment showed that urea could be used to stretch out protein feed up to a certain point. But he pointed out that too much urea can be fed.

Lot 6 showed that. Gains went down to less than a half-pound per day when an attempt was made to furnish most of the protein from urea in the ground-cob ration.

"I learned to drive the tractor today."

Well, Red, I was standing on that hill a little over a year ago, looking out over the entire farm. I didn't like the picture I saw. From up there I saw how my good topsoil was being carried away. I saw some brown patches that should have been green and I knew that my farm was run down. I just wasn't getting the most out of each and every acre of my farm land.

One morning I heard the Red Brand Practical Land Use Program. A farmer whose problems were similar to mine, was using a Practical Land Use Program and was realizing profitable results. In addition to increasing his crops and improving the fertility of his soil, he was able to build up his herd of cattle. And that's just what I wanted to do on my farm.

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Washington Wire

Plan To Reseal 1948 Corn

Government To Encourage Crib Building To Keep Big Supplies Of Grain On Farms

WASHINGTON, D. C. — The government is getting ready to tackle one of its biggest 1949 farm problems: What to do about storage of the huge supplies of corn and other grain from this year's crops plus last year's carryover.

Details hadn't all been worked out at the time this was written. But it looks as if the government may:

- Offer farmers 10 cents a bushel for resealing 1948 loan and purchase agreement corn plus 7 cents a bushel for having stored it the first year.
- Offer a 10-cents-a-bushel farm storage fee on 1949 corn.
- Offer low-interest, long-term loans to farmers to put up more cribs and bins.
- Put on a farm-to-farm campaign to get farmers to build more storage space.

Announcement of the program was being held up until congress told Commodity Credit Corporation exactly what it could and could not do about providing more storage room.

Congress has been fooling around with this problem—which was an issue in last fall's presidential election—for months. But it's expected to have something passed and on President Truman's desk by the time you read this.

As soon as the bill is signed, the big push for more farm storage will get under way. The government isn't expected to do anything—at least right away—about setting up storage facilities of its own. Neither will it offer loans to co-ops or commercial concerns for building more storage.

This last idea has been ruled out because CCC doesn't want to go into the commercial banking business. And it would rather have surplus grain stored on farms, anyway.

USDA's 1949 fall pig goal is expected to call for about 38 million head. Goal for last fall was 32 million.

Still up in the air is the level at which prices of most of next fall's pigs will be supported.

Supports at 90 per cent of parity, in effect now, extend thru March 31, 1950. Hogs sold after that will be supported under the Aiken law at between 60 and 90 per cent of parity — unless congress makes some changes.

Secretary Brannan's new farm program appears to be a dead duck as far as this session of congress is concerned. For one thing, no one is sponsoring it in congress. Chairman Cooley, or the house agriculture committee, has introduced Brannan's bill. But he did it out of courtesy to the secretary, not because he likes the plan.

The feeling in Washington now is that if any farm legislation is passed this year, it will be simply a modification of the Aiken law. This law, passed by the Republican 80th congress, provides for flexible price supports of 60 to 90 per cent of parity on basic crops, nothing to 90 per cent on most others. It's scheduled to go into effect next year.

In the first place, there is strong opposition in congress to dropping the parity price idea for Brannan's proposed "income support standard."

Many farm leaders say the public finally has been sold on the parity idea and that it would be bad business to drop it.

In the second place, many members of congress shy away from the idea of direct government payments to farmers to carry out price supports. They're afraid it would cost too much, and that taxpayers would kick.

So congress may keep the Aiken law, but change it to raise support levels. There is some talk about modifying the Aiken flexible supports to prop up prices of basic crops at a flat 90 per cent of parity when marketing quotas are in effect. The flexible provisions would be retained for non-basics and for basic crops not under quotas.

Congress very likely will okay a limited use of the Brannan direct payment plan for hogs, probably not for dairy or poultry products.

Economic conditions in the weeks ahead may have some influence on what congress does about farm legislation. What is the outlook? Here is the latest BAE forecast:

Consumer demand for food may not be quite as strong as last year. But general economic activity, tho a little off from 1948, should continue at a high level. Private and government spending should stall off any sharp drop.

Foreign demand for American farm products may hold up better than expected, too. Crop prospects in Europe are less favorable than at this time last year.

A lot of farmers may be voting on marketing quotas before the summer is over.

Flue-cured tobacco growers, who are used to it, go to the polls July 23. It's highly likely that cotton, barley, peanut and other tobacco growers will follow.

Unless crop prospects get worse or exports get better, wheat growers almost certainly will have a marketing quota vote.

Situation on corn is uncertain. But it's possible that corn belt farmers will be marking quota ballots for the first time.

OUTSIDE STUFF

THERE is a place in Iowa called Podunk Center. It's in Madison county; but I didn't notice the name until recently.

• • •

A UNION county, Iowa, farmer, C. O. Nelson, is sold on grass farming. He raises hogs, lambs, feeds both sheep and beef cattle. The best record he has made with western feeder lambs was with 300 he ran on alfalfa-brome pasture.

• • •

IN 60 days, they averaged a gain of 35 pounds per head, and they didn't get a bit of grain. He topped out his early native lambs in mid-May. They averaged 87 pounds.

• • •

NELSON points out that our farms are our greatest resource. As he says, army and navy brass, if they really want this country strong, should get behind a real on-the-farm soil conservation program.

• • •

BE CAREFUL not to brag to any of your eastern or southern friends about Iowa not having any racial prejudice. 'Tain't so. I watched four colored ball players trying to get a meal in a county-seat town the other night.

• • •

I COULDN'T help thinking: If those boys were good enough to be invited out to play ball with the local team, someone should have arranged to feed them.

• • •

SOME of the places in Iowa where local ordinances or customs are most violently anti-Negro are areas where almost the entire population is but a couple of generations removed from the poverty of Europe.

• • •

GIRLS in the AAA office in Creston, "the blue grass center of the world," said they didn't think much farm grain storage was being built as yet. "But we've got a lot of grain under seal—maybe we'll have to pile some of it here in the office unless farmers reseal," one said.

• • •

WITH a situation like that in Union county, you can imagine what will happen in the cash-grain area if there isn't a lot of farm resealing.

• • •

VERN Honnold, Madison county, Iowa, will tell you how a good soil-saving program on 80 acres has reduced flooding in a small creek that crosses the road near his house.

• • •

"SINCE the ground has been terraced and strip-cropped, I have never seen the water within two feet of the floor of the bridge," he says. "Before, it used to go clear over the railing."

• • •

"THAT'S what's so silly about the Red Rock dam," Honnold points out. "That money should be spent holding the water right where it falls." With that, I heartily agree.—W. D. Inman.

DANGER... Corn Borer at Work

More than $100 million worth of damage will be caused by the European corn borer in 1949 according to government entomologists. The 1948 fall survey of the corn borer indicates that the over-wintering population, which indicates the 1949 infestation, is considerably higher than the 1948 figure and that damage to corn will probably reach an all time high.

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It has been definitely established that DDT is a highly effective and economical insecticide for use against the European corn borer and corn ear worms in either field corn or sweet corn.

Proof of the rigid control DDT effects over both these destructive insects has been determined in extensive tests conducted by the U.S.D.A. and State Agricultural College experiment stations. Michigan Chemical PESTMASTER DDT will give you excellent control of European corn borer and corn ear worm. Pestmaster DDT is practical and economical and has the following advantages:

- **Contains 2 pounds of technical DDT per gallon.**
- **Mixes easily with water.**
- **Will not clog nozzles. Stays in liquid form until sprayed.**
- **Contains field tested solvents of low toxicity to plants.**
- **Can be used with low gallonage weed sprays or in airplane spray equipment at dosages as low as 2-5 gallons per acre.**

5-27

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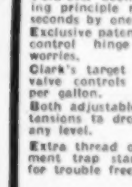

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What Happens When

Economists Say:

Total feed production doesn't change much when corn acreage is cut. Neither does livestock production. O. H. Brownlee and T. W. Schultz, then of Iowa State College, summarized their views of acreage-cutting history in the Iowa Farm Economist, in 1941. The article below is being reprinted from the April, 1949, Farm Policy Forum.

CORN acreage control in the corn belt has conspicuously failed to reduce livestock production or prevent disastrous ups and downs in output.

The last seven years (1934-40) of corn acreage control by the AAA have been years of violent changes in livestock production. In spite of the fact that a large percentage of corn belt farmers participated in the corn reduction programs of 1938 and 1939, hog marketings in 1940 were the heaviest on record, excepting only 1923 and 1924, and prices sagged to $5 a hundred.

Obviously, corn acreage control has not stabilized livestock production. Why not?

For the 11 north-central states, we find that the AAA has reduced corn acreage and production only slightly below what they would have been without a program. The table given below shows acreage in millions of acres and productions in millions of bushels:

	Acres	Prod.
1928-30	66.7	1826
1938-40 (actual)	50.0	1811
1938-40 (without AAA, estimated)	53.8	1821

The yield of corn per acre averaged 29 bushels in 1928-30 and 36 in 1938-40. Without AAA, the estimate is that yield would have been 34 in 1938-40.

Because of the reduction in corn acreage, farmers have grown larger acreages of other feed crops—both grain and roughage. To get an idea of how these changes have affected feed supplies, it is convenient to convert each feed into a common denominator of feeding value.

If we call a bushel of corn 1 feed unit, experience in the corn belt shows the values of concentrate feeds per bushel about as follows: Corn 1, oats 0.5, barley 0.75, soybeans 1.2, rye 0.9.

Looking at the 11 north-central states as a whole, we find production of feed concentrates has been little changed by the operations of the AAA in recent years. Corn and oat acreages were reduced, but increased soybean plantings virtually offset these reductions.

The following table shows actual acreage and production of feed concentrates in these states and the probable figures without the AAA program. (Figures below are in millions of acres and millions of units of feed concentrates.)

	Acres	Feed
1928-30	103	2499
1938-40 (actual)	88	2465
1938-40 (without AAA, estimated)	92	2478

Some of the acreage retired from corn production in recent years was diverted to production of roughages, particularly soybean hay, alfalfa and sweet clover.

Tho roughages can not directly be substituted for corn to any very large extent, most corn belt farmers can use considerably more roughages without major changes in their livestock enterprises.

Actually, the expansion in roughages was much overdue. Many farmers were able to improve their feeding efficiency by using more roughage. On many farms, alfalfa and sweet clover yield as much feed per acre as corn, or even more, and certainly more than oats.

Production of roughages rose 10 per cent during the 10-year period in Iowa, Illinois, Indiana and Ohio. Alfalfa acreage probably would have expanded without any crop acreage control, but the expansion would have been less rapid. Conservation payments enabled farmers to purchase more seed and lime, facilitating alfalfa plantings.

T.W. Schultz found figures to show AAA corn acreage cuts did not reduce production of either feed or livestock.

Here are the feed units produced in the corn belt in 1928-30 and in 1938-40, with an estimate of output without the AAA (figures are in millions of units):

	'28-'30	'38-'40
Alfalfa	46	93
Clover and timothy	189	121
Soybean hay	.....	54
Plowable pasture	250	286

Bringing together these three sets of facts—the amount of corn, the amount of feed concentrates and the amount of roughages produced—we find little change in feed production that can be credited to the AAA.

It appears likely that production of roughages would have been a little less and that of concentrates slightly more without the program.

The conclusion, then, is that the AAA has not regulated the amount of feeds produced in the corn belt. There has been a slight change in the composition of the feed supply, but not in the total amount. Accordingly, the crop control features of the AAA have not had any influence upon livestock production.

Corn Acres Are Cut?

Iowa Farmers Say:

Farm opinion is split. Nearly one-half of the farmers interviewed think a 20 per cent cut in corn acreage will give only a 10 per cent cut in feed production. One-fourth of them agree with the economists—no change. The article below reports a Wallace-Homestead Poll on what farmers think about the effect of a corn acreage reduction.

UNDER the Hope-Aiken law, provision is made for reduction in corn acreage if supplies get large. Present probability is that allotments on corn acreage may be ordered in 1950.

Corn farmers may have to vote next winter on the use of marketing quotas for 1950 corn. Two-thirds of producers voting must approve marketing quotas before they go in force.

Reduction in corn acreage has a double purpose:

1. To cut down corn production.

Feed production would be cut 10 per cent, says Hans Barkema, Hamilton county, Iowa, if corn acreage was cut 20 per cent.

2. To cut down total feed production and therefore livestock production.

To find out whether Iowa farmers think corn acreage reduction will actually cut feed production, the Wallace-Homestead Poll went out to interview a representative cross-section of Iowa farm people.

Only 7 per cent of the farm operators thought a 20 per cent cut in corn acreage would bring in a 20 per cent cut in total feed production.

Twenty-six per cent agreed with Economists Schultz and Brownlee and said no change in feed production would result.

But almost one-half thought feed production might be cut 10 per cent by a 20 per cent cut in corn acreage.

Younger farmers were more inclined than older ones to say that feed production would not be changed even tho corn acreage were cut 20 per cent.

Renters and owners agreed very well. So did big and little farmers. Republicans were just a little more in favor of acreage cuts than were Democrats, altho the difference was too small to mean much.

Farm women hadn't thought much about the problem. The percentage of undecided was high. Those with ideas on the subject split up about as the men did.

Many farm people apparently remembered experiences back in the '30's when they got a lot of feed—soybean hay especially—from the acres taken out of corn. And many operators had a good deal of confidence in their ability to build up heavy yields on their best corn acres by use of fertilizer and better varieties.

Here are some comments by farmers:

"I think by putting corn land into something else, you'd have as much feed as ever in five years."—Clay County.

"With new corn strains, we could probably raise just about as much feed as now, even if we did cut our corn acreage."—Guthrie County.

"If we do a good job of farming, that 20 per cent cut in corn acreage wouldn't reduce feed much."—Black Hawk County.

"The size of crop we get depends on the weather, not on the acreage."—Tama County.

"Wouldn't make much difference. You take the poorest land out of corn, and that kind of land could raise pretty fair hay."—Davis County.

"Feed production would be almost as high with a cut in corn acreage. On my farm, I find that I get about as much of a total yield after I reduce corn acreage. And, of course, I get hay or pasture out of the land taken out of corn."—Keokuk County.

"What would a fellow do with the land he took out of corn? More hay wouldn't be any use to a farmer who didn't have livestock to eat it up."—Appanoose County.

How Farm Opinion Divides

"If farmers were to cut corn acreage 20 per cent on the average for the next five years, which of the following would be most likely to happen?"

1. Production of feed would be cut by an amount equal to 20 per cent of the corn crop 7%
2. Because of feed production on acres taken out of corn, the cut in feed production would be only 10% 46%
3. Because of feed production on acres taken out of corn, no change in total feed production would result 26%
4. Undecided 21%

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kill Flies, Lice, Ticks, Sarcoptic Mange Mites, Fleas and other Stable, Pen, Barn, and Kennel Pests

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Don't gamble with Fly Control. CHLORDANE, the new wonder chemical, will free your barns, stables, pens, and poultry houses of horn flies and houseflies. CHLORDANE is approved by many state authorities where Flies are showing resistance to DDT.† CHLORDANE is also effective in anti-polio fly control campaigns as well as for farm and domestic use.

CHLORDANE sprays and dusts are also outstanding in control of many other external animal parasites. One treatment usually gives complete control of Sarcoptic Mange Mites, Lice, Fleas; prevents Tick attachment for two or three weeks following treatment. CHLORDANE dusts or sprays in the litter and on roosts and walls of the poultry house control Mites, Lice and Bedbugs. CHLORDANE does not injure or irritate animals or taint flesh. It is safe to use at recommended dosages.

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LOOK FOR THE WORD "CHLORDANE" ON THE LABEL CHLORDANE ACCEPT NO SUBSTITUTE

†In compliance with recent advice of the U. S. Dept. of Agriculture against the use of chlorinated hydrocarbon insect toxicants on dairy cattle and in dairy barns, we are not recommending CHLORDANE in these situations.

If your dealer does not stock CHLORDANE Insecticides—write his name and address here:

Dealer's Name

Dealer's Address

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Research Points

It Pays To Rest Pastures

Want an extra 100 pounds of beef per acre? Then try letting the pasture rest during the summer. Here's what happened at Purdue University:

Two typical corn belt permanent pastures were fertilized with 300 pounds of 0-20-10 plus 200 pounds of ammonium nitrate.

One pasture was grazed from May 20 to October 7. It produced 237 pounds of beef per acre.

The other pasture was grazed from May 20 to July 15; it was allowed to grow until September 9. Cattle were on it again from September 9 until October 7. It produced 346 pounds of beef per acre.

DDT Got Sweet Clover Weevil

Working in Wisconsin, research men of the USDA have found that DDT gives good control of sweet clover weevil.

DDT was applied as a 5 per cent dust at 80 pounds per acre when the sweet clover was two or three inches high.

Spray Weeds, 'Hoppers At Same Time

Often you want to fight weeds in fence rows and pastures where 'hoppers hatch. Spraying the weeds tends to drive 'hoppers into the crop fields more rapidly than normally.

So the Julius Hyman Company, manufacturers of chlordane, suggest mixing chlordane and 2,4-D to kill weeds and 'hoppers at the same time.

They say their product and 2,4-D may be sprayed in one application; that they mix without any trouble in the spray tank, but that you should not mix a batch of 2,4-D and chlordane and let it stand several days.

TCA Shows Promise As Grass-Killer

Altho the North-Central Weed Control Conference says there have been many conflicting results, TCA, chemical grass-killer, is getting lots of attention from farmers.

Broad-leafed plants are killed by 2,4-D, but weedy grasses are left more or less free to do their damage. TCA may fill this gap.

Among the troublesome grasses killed by TCA are foxtail, quack grass, crab grass, cheat and Bermuda grass. The chemical kills germinating grass seeds before and during emergence.

TCA disappears from the soil, allowing crops to germinate in from 30 to 90 days, depending on the amount of rain. For deep-rooted grasses, it seems to work best when applied to the foliage. For shallow-rooted grasses, it seems to kill best when applied in the soil.

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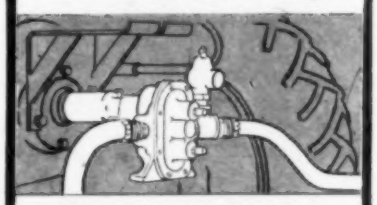

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Workday Pointers

SHADE in the hog pasture will save feed. Panting hogs don't make good gains.

▲ ▲ ▲

HARVEST TIME will be here in a little over a month. Combine or binder repairs should be ordered now.

▲ ▲ ▲

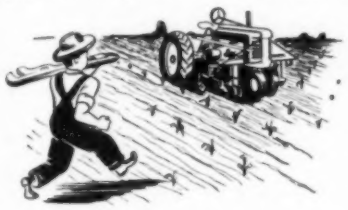
THE BOOT STAGE is the most dangerous time to spray 2,4-D weeds in small grain, say Nebraska agronomists.

▲ ▲ ▲

IF WHITE SCOURS attacks your calves each year, try moving the cows to new quarters at calving time. Buildings can be infected.

▲ ▲ ▲

A GOOD JOB of corn cultivation the first time over must (1) cover the weeds in the row without covering the corn, and (2) avoid cutting the corn roots. Shallow cultivation with shoveis set as far from the row as possible will save damage to the roots. Speed can be adjusted to throw the dirt into the row. A half day or a full day spent in getting just the right adjustment will pay dividends in extra corn yields.



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LIMITED GRAIN feeding on pasture cheapens hog gains, but adds a month or more to the time required to get the hogs to market weights.

▲ ▲ ▲

PROTEIN CONTENT of alfalfa hay is highest before the bloom stage is reached. There are more pounds of hay if cut in full bloom, but more of it is fiber.

▲ ▲ ▲

IN ONE TEST, a badly clogged air cleaner on a tractor was cleaned out and the tractor delivered 22 per cent more power on 15 per cent less gasoline.

▲ ▲ ▲

AIR LEAKS between the tractor air cleaner and the carburetor will make the carburetor mixture incorrect, and let dust into the motor.

▲ ▲ ▲

EMPTY GRAIN BINS should be swept out and sprayed for insect control. A 2½ per cent DDT spray is recommended by George D. Jones, Missouri entomologist.

▲ ▲ ▲

SOYBEANS, if planted late and drilled solid, will smother out weeds. For land infested with Canada thistle or creeping Jennie, plow, and plant the beans immediately with the grain drill, using two to three bushels per acre.

▲ ▲ ▲

THE RING TEST for Bang's disease tells you whether any cow in the herd has the disease. It is a test of the milk, and is cheap and fast. If the ring test proves to be accurate, the milk-receiving stations will be able to locate infected herds easily and quickly.

YOUNG TREES need a fence for protection. Grazing with either cattle or hogs is deadly to young trees.

▲ ▲ ▲

HOG WALLOWS of cement or planks will make it less tempting for hogs to root around the water tank or hog waterer.

▲ ▲ ▲

SETTLE THE DUST in the pig pens before castrating the pigs. Dust seems to have a poisonous effect on fresh castration wounds.

▲ ▲ ▲

ONCE SPRUNG out of shape, a cultivator shank or beam is almost impossible to repair. And unless each shovel is in its place, the cultivator is likely to leave a strip where the weeds are not destroyed.

▲ ▲ ▲

GOOD CROPS of corn are often produced from plantings as late as the first week in June; soybeans have made good crops when planted the third week in June. Early varieties should be used in either case.

▲ ▲ ▲

TOP DRESSING alfalfa with 200 to 300 pounds of phosphate, between the first and second cuttings, has proved effective in Iowa tests. Phosphate may be what is needed if two or three-year-old alfalfa makes a poor growth, and is short.

▲ ▲ ▲

HOGS DO NOT take Bang's disease from cows. So you need not worry about your sows if Bang's strikes your cow herd. But cows occasionally take the hog type of Bang's from sows. So, to protect the cows, brood sows and cows should never run together.

▲ ▲ ▲

MASTITIS cures, if successful, are costly. There are veterinary costs and loss of milk production while the disease is present. Mastitis prevention saves these losses. Clean barns, good bedding practices and protection from extreme cold are good preventive measures.

▲ ▲ ▲

CORN ROWS too close to pasture fences teach cows bad habits. The result may be fences ridden down, barbed wire cuts on teats, and cows in the corn. The cultivator can sometimes be used to destroy corn rows too close to the fences. It is easier than doing the job with a corn knife.

▲ ▲ ▲

A DAIRY COW giving two gallons of milk per day should have four pounds of grain per day, says C. W. Nibler, Nebraska extension dairyman. The protein content of the grain mixture should be as high as 16 to 18 per cent with low-protein roughage such as prairie hay.

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Vigortone Poultry Products are dependable aids in keeping poultry in excellent condition and maintaining high egg production. The line includes tested supplements for poultry of all ages: No. 9 Feed Supplement for laying hens; No. 10 Feed Supplement for growing chicks, turkeys, capons, etc.; and No. 11 Vigortone Poultry Tablets, a first-class tonic and astringent for all types of fowl.

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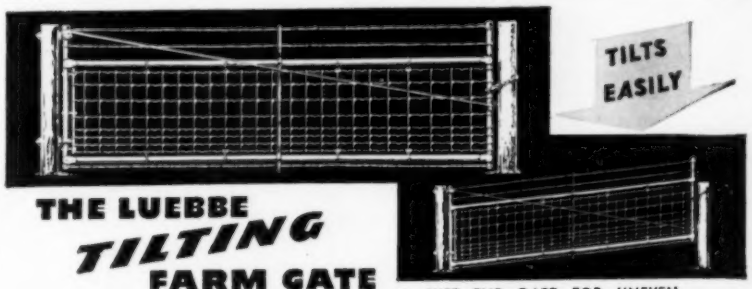

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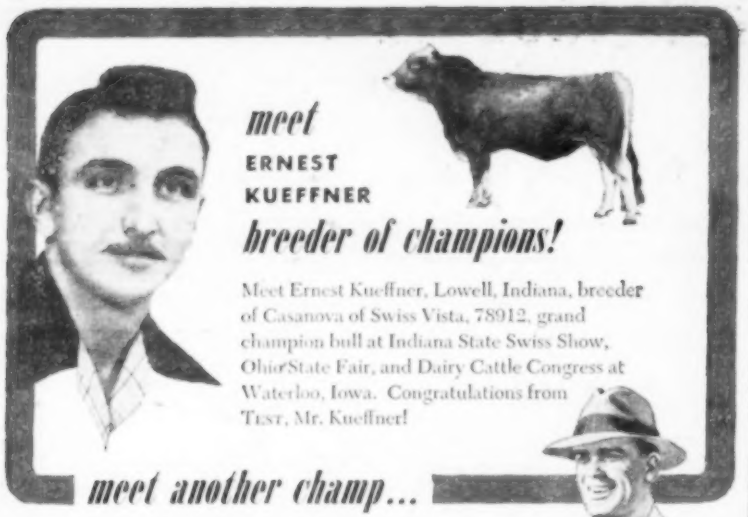

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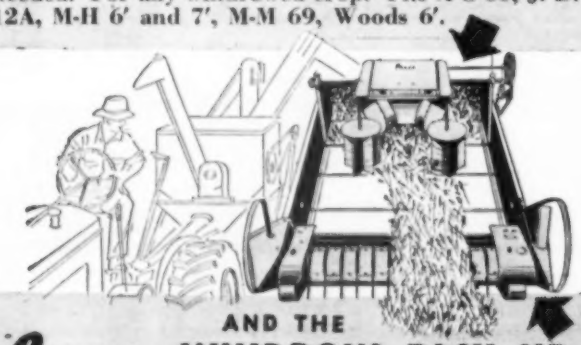

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—PUT SOME OF THAT EXTRA CASH INTO SAVINGS BONDS—

Grass silage is a great way to store some of your tender, succulent June grasses, says Don Hayes, Keokuk county, Iowa. His 18 Jerseys like it, too. At 1:30 in the afternoon, they were eager for more.

Save Summer Pasture For January

Grass Silage Is Good Way To Use Heavy Early Growth Of Your Grasses, Legumes

"I WAS thinking of putting our first cutting of alfalfa into the silo this year," said a Poweshiek county, Iowa, dairyman. "The first cutting makes poorer hay. And it's harder to cure if it rains."

Farmers are becoming more interested in grass and legume silage. Cattle feeders as well as dairymen. Why? The reason Forrest Durey, of Fayette county, Iowa, gave was this:

"I don't like to see those good yellow ears of corn going into the silo. Cows will do as well on grass silage. Why not keep the corn to feed your hogs?"

Grass silage is on hand early to supplement late summer pastures. It fits nicely into a soil conservation program that calls for more land to be seeded down.

Durey also told of an Iowa county, Iowa, dairyman who put up some legume silage but finished filling the silo with corn. Production rose when cows were changed from corn to legume silage. They seemed to stay in production longer.

Color of the cream changed, too —became richer looking. That's because legume silage is so rich in Vitamin A.

How about grass silage for feeders? Well, it ranks a bit below corn silage for fattening cattle. But Louis Holub, Mahaska county, Iowa, makes good use of it in his steer feeding ration.

Holub has put mixed red clover and timothy into his silo for the past eight years. For steers, corn and cob meal plus a supplement are fed on the silage.

Young Joe Holub has 10 head of heavy steers on feed as a commercial project for 4-H. They get the same sort of ration. "The first two months after we bought them in January," said Joe, "their average gain was between three and four pounds a day." Even after allowing for fill, that's a good gain.

Holub cuts his red clover when the first heads are starting to turn brown. "The only time it spoiled any," he said, "was one year when we didn't get it cut soon enough. The stems got too dry."

Moisture content is important. Best level seems to be about 65 per cent. If you cut the legume and let it lie in the field, this level is reached about the time leaves become limp and wilted, but not dry enough to shatter or break when handled.

Direct cutting and chopping seems to make silage of from 70 to 80 per cent moisture. This is wet, juicy, harder to handle. You may need to add some preservative to keep it from spoiling.

On most Iowa farms, the best practical preservative is ground shelled corn or corn and cob meal.

You can make good grass silage without adding a preservative. But you need to have the moisture content just right. So anyone making grass silage the first time would probably do well to add some ground corn. Here are suggested amounts to add per ton:

For legume-grass mixtures add 125 pounds of ground shelled corn or 150 pounds of ground ear corn.

For legumes, add 150 pounds of ground shelled corn or 200 pounds of ear corn.

Kinzie Wimer, Mahaska county, Iowa, believes it's safer to use a preservative with straight alfalfa than run the risk of spoilage. He also puts up brome-alfalfa. He lets it wilt about three hours before chopping.

"We start the mower in the morning and the chopper about noon," said Wimer.

Grass silage puts more pressure on silo walls than corn silage. So your silo walls may have to be reinforced.

"Once our silo began to crack open," said Holub. He fixed it by adding new hoops—three for every two there had been.

ALONG FARM LINES

Many farm telephone line "partners" have a neighborly understanding with each other that when one needs the line the other will end his call promptly.

NORTHWESTERN BELL TELEPHONE COMPANY

Service Bureau

Landlord Milks His Tenant's Cow

To the Editor: We rent a farm on a grain share basis and own all livestock. Our landlord comes out and gets milk whenever he feels like it. If we don't have any milk, he will take a cow in and milk her, even at 10 o'clock in the morning. Do we have to furnish him with milk?—Mrs. H. Y., Butler County, Iowa.

Unless there is a provision in your lease stipulating that you are to furnish milk for your landlord, you don't have to do so. He would not be entitled to milk your cows.

Can He Have Line Fence Back?

To the Editor: A creek runs in from my neighbor's land, flows south just inside my fence, and then cuts out into my neighbor's field again. Since that is my share of the fence, I have to keep up two flood-gates. Just a little piece of land is involved, so it would be cheaper for me to give up the land and move my fence back behind the creek. Would this be legal?—A. R., Davis County, Iowa.

Yes. You can abandon the land across the creek and set your fence back on a stable fence line. Then you would not have to keep up the flood-gates.

What About Septic Tank Drain?

To the Editor: Can I empty the drain from my septic tank into the grader ditch on the highway by my place?—E. N., Muscatine County, Iowa.

This would depend on how good your installation is. If the water drained did not become a stench or a nuisance, you could probably drain it into a roadside ditch.

But you should contact your county board of health. They have specifications for such installation. So it would be a good idea to consult with them before starting any work.

"Well, then, may I use the tractor?"

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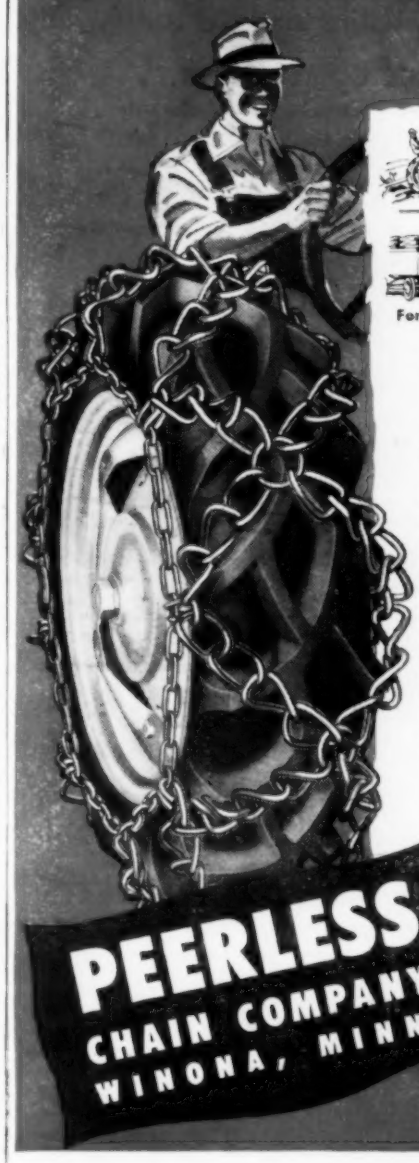
KRISS×KROSS TRACTOR CHAINS



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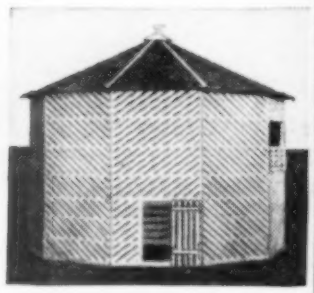

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Leads All In Exclusive PATENTED FEATURES
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ALLIED MUTUAL CASUALTY COMPANY
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BUY SAVINGS BONDS—THEY WILL HELP YOU LATER—BUY ALL YOU CAN—NOW!

This Sow is a machine, says a federal court, and can be called a capital asset for income tax purposes when she is sold.

Save On Taxes?

To the Editor: Who is looking after the farmers' interests in this income tax case that was decided at St. Louis? I mean the one that said a farmer could report sows and cows as capital assets, and pay tax on half the money received.—J. B., Sac County, Iowa.

Wallaces' Farmer and Iowa Homestead is watching every move in this case. When anything new develops, it will be be reported in these columns.

As our readers remember, the editors of Wallaces' Farmer and Iowa Homestead took part in this discussion before the decision was rendered in favor of the farmers. We will stay with the case until it is finished.

Here is the story up to now:

A MINNESOTA farmer, R. W. Albright, of Goodhue county, insisted on reporting cow and sow sales as capital assets for income tax purposes.

Albright sold $1,152.45 worth of cows and heifers kept in his herd over six months. He sold $671.80 worth of sows held over 6 months that had raised one litter each.

Treating these receipts as capital gains under Section 117 (j) of the internal revenue code, Albright put the receipts on Schedule D. Then half the total of $1,824.25 reported on Schedule D from sale of cows and brood sows—$912.12—was transferred to Form 1040 for inclusion in his taxable income.

The income tax collector refused to accept his income tax report on this basis. So Albright paid, and sued for the return of the extra tax he had to pay.

Albright lost in the federal district court at St. Paul. Then his attorneys appealed to the federal circuit court at St. Louis.

The court at St. Louis reversed the decision of the St. Paul court. The case was "remanded with directions to enter judgment for appellant (Albright)."

There is only one court higher than the circuit court of appeals at St. Louis. That is the United States supreme court.

The government has until June 10 to enter an appeal of the case to the supreme court.

If the government appeals, says Allan Finseth, attorney for Albright, "the supreme court might refuse to hear it." If the case is appealed, then the arguments will be considered again before the high tribunal.

The supreme court might reverse the case. But the decision of the circuit court sounds like reason to a farmer.

The court points out that brood sows and cows are not held primarily for sale in the regular course of business. They are like the farm or the farm machinery. They are held primarily for another purpose, the production of livestock or livestock products.

Says the circuit court: "A dairy farmer is not primarily engaged in the sale of beef cattle. His herd is not held primarily for sale in the ordinary course of business."

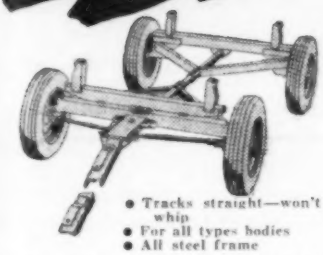
As to brood sows, says the court, the government has more reason on its side. But still the court holds that sows kept to raise pigs, even tho returned to the fattening pen before sale, are held "for the purpose of breeding and not primarily for sale."

If there is no appeal, or if the supreme court upholds the circuit court decision, farmers will save income taxes on one-half of the money received from cow and sow sales in the future. And they can go back and get refunds for three years.

Look to Wallaces' Farmer and Iowa Homestead for further information on when and how to apply for refunds.

HIGH SPEED FARM TRANSPORTATION EQUIPMENT

ANTHONY TRU-TRAC RUNNING GEAR



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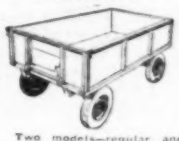

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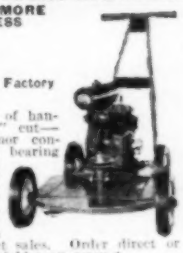
at an amazing new LOW COST
if only $98.50 F.O.B. Factory



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Buy Savings Bonds

First Aid for Stock

Whole Litters Of Pigs Die

To the Editor: Many young pigs are dying around here. One man lost 27 litters. Pigs have white scours; so do the sows. Some sows sicken but do not die. Sows are scattered to isolated clean sheds and ground, but still the pigs die. Can you tell us a remedy?—Mrs. E. R., Gentry County, Missouri.

The trouble probably is gastro-enteritis, or inflammation of the stomach and intestines. This is believed to be caused by a virus.

Why don't you have a veterinarian send specimens to your state agricultural college at Columbia, for laboratory examination?

Before farrowing time, the sows should be kept away from old lots, where they probably pick up the infection. They should be washed with a good disinfectant before they are hauled to the farrowing sheds. If you drive sows on foot, they may pick up germs on the way.

No one has as yet found a treatment that seems to save many of the pigs in outbreaks studied so far.

Bang's Rarely Fatal To Cow

To the Editor: Does infection of a cow with brucellosis ever cause her death?—T. S., Bon Homme County, South Dakota.

Brucellosis is seldom if ever fatal to a cow. Sometimes abortion of the fetus has resulted in infection of the uterus with other germs. Metritis, or inflammation of the uterus, might then cause the cow to die. But even this is rare.

With sows, it is different. A good many hogs that become infected with the brucella germ die from it.

His Cattle Eat Lumber

To the Editor: My cattle have been eating wood, old lumber in particular. I feed them silage, hay, supplement, and a mineral salt is before them at all times. What can I feed to stop this?—H. R., Chickasaw County, Iowa.

The depraved appetite of your cattle may be caused by more than one thing. Usually, it is some deficiency in the diet. This has been reported often from your area.

Add phosphorus to the ration by feeding bonemeal or by feeding one-half ounce of phosphoric acid per cow to the silage or hay. This has often helped. In other cases, the trouble was lack of Vitamin D. For this, add a pound of irradiated yeast to a ton of grain fed to your cows.

Sometimes, the trouble is caused by a lack of one of the rare minerals. Try offering your cows iodized salt. And put about a half-ounce of cobalt carbonate in each 100 pounds of mineral you feed.

Perfect Paint Protection

. . . "Son, that Grade 1 Classification Seal on every can of Forman, Ford Paint tells a story worth remembering—how the world's finest paint ingredients, backed by over 26 years of U.S. Dept. of Agriculture research, were put together by 66 years of Forman, Ford experience.

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Fits Any Tractor P. T. O.

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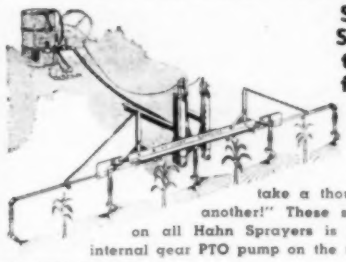

Standard Equipment on all Hahn Sprayers — A positive-action, trouble-free replacement pump for any tractor sprayer!

Ask the users of Hahn Sprayers how they like their machines and you'll get answers like this: "Works fine!" "Easiest to operate!" "Saves chemicals!" "Wouldn't take a thousand dollars for my Hahn if I couldn't get another!" These statements are all true, but the big feature on all Hahn Sprayers is its solid bronze pump, the only all-bronze internal gear PTO pump on the market. These features mean long life, more for your money:

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2- Main bearing sealed against contact with chemicals.
3- Non-clogging internal gears of solid bronze.
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5- Pumps 8 gals. per minute at 150 lbs. pressure. Fills 100 gal. tank in 9 minutes.
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The proven ONE SHOT hog cholera vaccine

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Tips For June

Here are some of the things you can do this month to save time and make money. They're passed along by farm management specialists at Iowa State College.

WHY HAUL HAY from field to barn during the summer, then haul manure back to the field next winter? Buford McClurg, Boone county, Iowa, believes this is doing things just backward. He plans to stack and feed as much hay out in the field as possible. Then the cattle can spread their own manure.

▲ ▲ ▲

ADJUST AND REPAIR mower to make sure it works properly. A mower that has been checked over and repaired is not so likely to break down in the middle of haying.

▲ ▲ ▲

BALING HAY? A Clay county, Iowa, farmer made an elevator for putting baled hay in the barn loft. He used an old belt, with wooden cleats attached.

▲ ▲ ▲

A SMALL GATE alongside the regular farm gate saves time and wear on the main gate. Solidly constructed gates have many advantages. Poorly made gates are notorious time-robbers.

▲ ▲ ▲

OATS MAKE GOOD emergency hay. That has been the experience of H. C. Burnstedt, of Polk county, Iowa. Cut your oats in the milk stage to make the best-quality hay.

▲ ▲ ▲

A GRANARY on wheels saves labor in pasture feeding. Dwight Cartwright, Boone county, Iowa, built a small granary on an old manure spreader. It holds a three-week feed supply for his hog. A Scott county, Iowa, farmer mounted a granary on old thresher trucks.

KEEP LITTLE PIGS out of the old hog lot. Bernard Collins, of Wright county, Iowa, believes this is one of the best ways to make hog profits. Make sure you have good shade in the hog pasture. And have water and feed close to that shade. Alma Paul, of Story county, Iowa, has his water right under the hog shade.

▲ ▲ ▲

GATE TROUBLES are a headache to many farmers during haying-time. One Webster county, Iowa, farmer got rid of this problem. He used scrap-iron to make a "cattle guard." He laid two channel-irons across a six-inch pit, welded in cross-pieces of railroad iron every six inches. Cattle and hogs won't cross the guard, even tho there is no gate.

▲ ▲ ▲

CHECK HARVEST machinery now. Order needed spare parts. Make sure your combine or binder is ready to go.

▲ ▲ ▲

GRASS SILAGE can save feed nutrients in bad weather. Clarence Hill, of Dallas county, Iowa, believes this is one of the big arguments for grass silage. Hill uses trench silos.

Mower-Crusher Cuts Curing Time

Experiments by C. B. Knodt at the University of Pennsylvania indicate that the use of a mower-crusher cuts curing time for alfalfa hay by about half.

He feels use of this machine, which splits the stems to allow juice in the stalk to escape, might save a hay crop in poor drying weather.

In further feeding trials, the crushed alfalfa hay and excellent quality ordinary field-cured hay had the same feeding value.

FULL PROTECTION! RAIN OR SHINE

Gives full overhead protection because it's full size—6 ft. across. Adjusts to any position for protection sitting or standing. Offset post is out of the way. All metal frame, heavy duty, water-proof canvas cover...folds up on post when not in use. Fits all implements and tractors. See your dealer or write direct.

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PREVENT DESTRUCTION of your buildings, livestock, equipment and family possessions. Install the Security System of lighting protection.

PROVED PROTECTION for over 77 years. No building has ever been destroyed that had the protection of the Security System.

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Also makers of COOK SHUCKER for model "P" Case and G. I. single row corn pickers. WRITE
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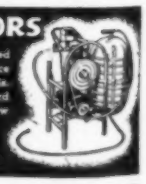

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This Easy...Time-Tested...Farm-Proved Method

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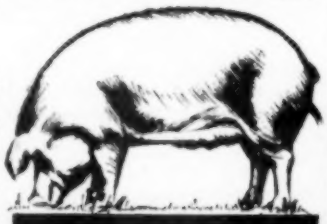
Almost all growing pigs have Necro in some degree. The use of the Master Medicated Grain Treatment, started as soon after weaning as possible, helps to keep them Necro-free. This lets the pigs get better benefits from the feed consumed. Saves feed bills, eliminates costly setbacks and losses caused by Necro and Necro Scours. Even good-doing pigs on Master Medicated Grain put on more solid weight because they get more pork-building value from their feed. The Master Preventive treatment also prevents breaking with Necro at vaccination time. Savings in feed alone pays for the medicine many times over.



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Take precautions before these pests attack your crops. This folder summarizes USDA recommendations, how to use toxaphene—as sprays, dusts or baits, where to apply, and what precautions to take. Write today for your copy.

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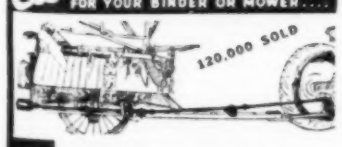

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NEW Duplex HYDRAULIC SCOOP.. AND REVERSIBLE BULLDOZER & SNOWPLOW

For hydraulic equipped tractors. Hand lift model also available

With this hydraulic scoop, you can dig, deliver, place more dirt faster, easier.

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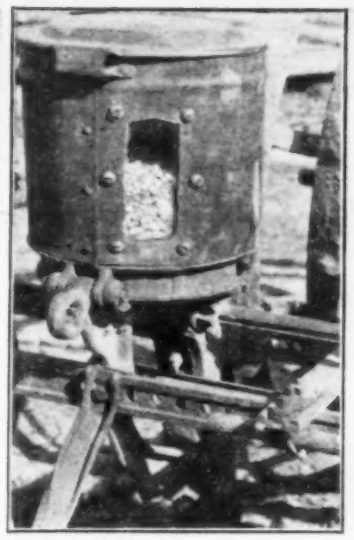

You Can save many steps by putting windows in planter boxes. Cut a hole and bolt glass or plastic to inside of box.

Work For A Rainy Day

HAVE you noticed any short or thin rows in the corn or beans you just planted? Remember how many times you lifted the planter box lid to see if there was enough seed for another round?

Here's how you can keep track of the seed in the box without climbing off the tractor seat. It's too late for this season. But you might keep it in mind for some rainy day shop work.

Cut a hole in the side of the box as the picture shows, with a welder or cold chisel. Weld or bolt cleats on the inside to hold a glass or plastic windows on the inside.

With the window, you can see how much seed is left in the planter box without getting down from the tractor and lifting the box lid.

Cockleburs Can Poison Pigs

Young cockleburs may poison livestock, especially pigs, says Dr. R. P. Link, veterinarian at the University of Illinois.

Seedlings are most deadly in the young, two-leaf stage—one or two seedlings can kill a pig, he says.

He warns that danger from cocklebur poisoning will continue from now until midsummer.

What Spray For Quack Grass?

To the Editor: What spray will kill quack grass?—C. G., Scott County, Iowa.

Sodium chlorate will kill quack grass. A commercial product, atlacide, is similar in action.

Chlorates are usually applied in sprays containing one pound per gallon of water. Use three to five gallons per square rod, depending on the density of weed growth.

Disadvantage of sodium chlorate is that it makes the soil sterile for two or three years. It is also corrosive to sprayers. After using, wash the sprayer thoroly.

Another chemical that has been effective is ATA (ammonium trichloracetate). It has not yet been fully tested and approved, however. Iowa State College says that any spraying with ATA should be on an experimental basis.

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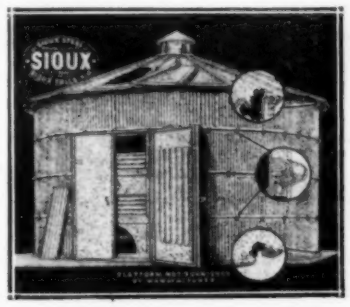
-SIOUX- Steel Storage Bins are a farm investment that pays BIG dividends—and pays them in a hurry! Harvest-time market changes can bite deep into your grain profits if you don't have your own adequate storage facilities. Adequate storage actually costs you less now than it did ten years ago, for today, less grain is required to pay for your -SIOUX- Steel Storage Bin, and -SIOUX- Steel Bins are better today than ever before. Forget about freight car shortages, lack of elevator space, time wasted waiting in line to deliver your crop to crowded elevators, and changing market conditions. Don't sacrifice your crop because you don't have adequate storage facilities! See the fire-proof, rodent-proof, easily erected -SIOUX- Steel Storage Bins at your nearest -SIOUX- dealer. If you do not know your dealer's name, send coupon today!



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Dept. WF-2, Sioux Falls,, S. D.

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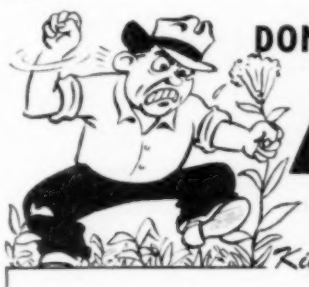

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use
ATLACIDE
the SAFER Chlorate
Kills Weeds by Destroying Roots

Outstanding *killer* of Bindweed, Canada thistle, Quack grass, Leafy spurge, Poison ivy, and other weeds and grasses. Applied as spray or in dry form.

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CHIPMAN 2,4-D WEED KILLERS — Especially effective for control of broad-leaved weeds in grain, corn and grass. Complete line available for various uses and types of equipment:

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"Buy the whole loaf . . ."

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Power Take-Off models available in both high and low pressure sprayers; choice of trailer or skid mount.

Trailer-Mounted John Bean general purpose farm sprayers. Engine powered. Also available with skid mount.

Spartan portable power sprayer. Output to 3 gpm. Ideal for small farms and estates.

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CUT 45 ACRES A DAY

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SEE

You Can't Beat A
KOSCH
TRACTOR MOUNTED
POWER MOWER

No tiresome "looking back". Allows you to take full swath, cut faster. Amazingly easy to handle. Hydraulic and manual lift. Mounts on tractor in less than 5 minutes. A "must" for FARMALL and JOHN DEERE tractor owners.

Buy, "the mower with the cutting bar in front" now!

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Ask Your Dealer or Write:

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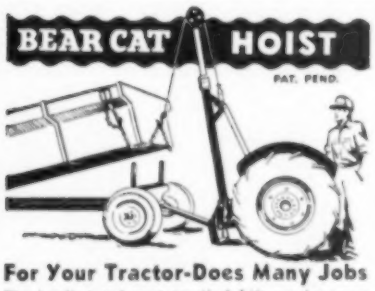

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The handiest and most practical Lift you have ever seen or used for unloading corn wagons without unhooking the wagon from tractor, lifting machinery, pulling out fence posts, stretching wire, lifting heavy weights of any kind, unloading and loading, and a thousand and one other farm jobs. Simple in construction, quick to attach or detach, uses hydraulic oil pump on your tractor. Made for most tractors that are equipped with hydraulic pumps. Light in weight. Leave on tractor. Does not interfere with take-off drive or hitch. Price $75.00, complete with wagon lift attachment, f.o.b. Hastings, Nebraska. Weight, 185 pounds.

Send your order direct to

Western Land Roller Co., Dept. WF
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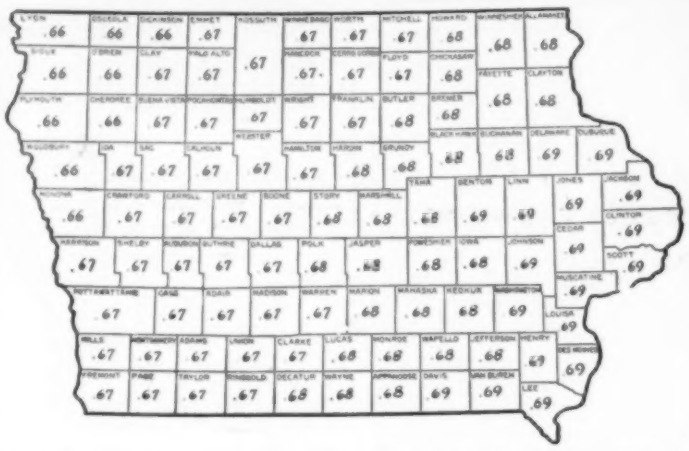

Oat Loan rate on the 1949 crop will be one cent lower than last year. Map shows the rate by counties in Iowa.

No Substitute For Hoe In Garden

New Weed-Killing Chemicals Not Safe To Use Among Garden Vegetable Varieties

JUNE is weed month, and no one needs to be told. Most weeds do their very best to take possession of ground where their presence is not detected or seriously disputed by the owner of the field or garden.

June also is the month of heaviest annual rainfall. With the increasingly warm weather and good soil, the weeds make remarkable delevopment along with the more desirable crops. Therefore, this is naturally the month for positive weed destruction.

Someone asks: "Can't we use 2,4-D on our garden weds?" No; better not try it. You probably will be sorry if you do. It is powerful stuff, and easily could do more harm than good.

Many garden crops are very susceptible to the effects of 2,4-D. Even very light drifting fumes can quickly destroy some plants. They do not need the direct spray.

Most garden weeds are actually grasses that would escape anyway. If broad-leafed plants, like poison ivy, are bothering along the fence rows, the 2,4-D solution may assist wonderfully in cleaning them out. But extreme caution is needed regarding winds and drifting spray or fumes.

We learned of a highway crew of men who were spraying certain roadside noxious weeds, who seriously injured a long strip of soybeans in the field just over the fence. An ornamental hedge of honeysuckle shrubs also lost half their leaves. The wind was wrong—or was it the workers?

No, we are not ready to "lay down the shubbel and de hoe" for these more modern weed-killers. True, the motorized garden cultivator is here to stay, and is saving plenty of hard work in the garden, yet the good old hoe is still in style and much in evidence in the rows of garden plants and vegetables.

In our own garden we are constantly pestered with elm, Chinese elm, maple, hackberry and box-elder seedlings coming up where their presence is very unwelcome. The sharp hoe and the spade are kept bright chopping out the seedlings from among the berry bushes, grapevines and in the border plantings of flowering perennials.

While the seedlings are a constant annoyance, we would not think of doing without the many shade trees and dense grove that afford such welcome and valuable protection from winter winds and storms.

We still must cultivate and hoe. Weeds are easiest killed when very young and tender. On the farm, most garden crops can well be planted in rows of suitable spacings for horse, team or tractor cultivation and in rows straight enough to enable the operator to do a neat and effective job, which, in turn, will reduce the amount of hand labor required for weeding.

In spite of all we think that is bad about them, weeds may even be a blessing carefully disguised. Some of us might become summer-lazy if not for the weeds. We might not get out into the garden to keep the soil in fine physical condition if it were not for the more apparent purpose of getting the best of the weeds.

Hoeing and sweating in the garden serves the double purpose of keeping a little ahead of the weeds and creating soil and moisture conditions entirely favorable for more suitable plant growth.—Victor Felter, Warren County, Iowa.

Dirty Air-Cleaner Slows Tractor

In a University of Illinois experiment on tractor performance, a badly clogged, dirt-filled air-cleaner was thoroly cleaned out and the tractor then delivered 22 per cent more power on 13 per cent less gasoline.

University engineers also say to watch for air leaks between the air-cleaner and the carburetor and in the intake manifold. Such leaks defeat the purpose of the air-cleaner.

DANGER
in Hay Fires!

Save Your Barn from This Hazard

This is the season of greatest danger from the No. 1 cause of Iowa barn fires—spontaneous combustion. During haying time, take extra care, and observe these five safeguards . . .

1. Be sure hay is properly cured before storing; don't put up wet or green hay.
2. Spread hay evenly in the mow. Avoid packing.
3. Keep the barn roof water-tight.
4. Don't depend on salt or compounds to prevent overheating.
5. Check the haymow every day for heat. (Drive a gas pipe into the hay and lower a thermometer. If it reads over 180° call your fire department and remove the hay.)

For more suggestions on safe hay storage, see *your* County Mutual. And ask about low-cost mutual protection for your property.

FARMERS MUTUAL REINSURANCE COMPANY
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SERVING FARM MUTUALS

Feed Your Soil
—RUHM'S—
PHOSPHATE ROCK

- INCREASES YIELDS
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Super Finely Ground

so plants get more out of it—quicker—and so do you. The best phosphate and the cheapest if you count results.

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EASY PULL

For every hoisting or pulling job. Save your back! Loads trucks and wagons, pulls stumps, lifts motors and equipment. Powerful worm-gear drive. 10-ft. Airplane cable. Only $22.50 Postpaid.

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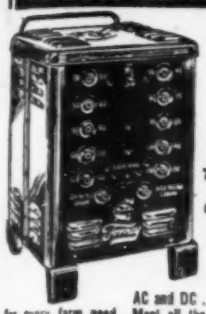

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WELD any metal in any gauge or weight—from sheet to motor blocks. BUILD your own stanchions, steel gates, power rakes, hay loaders, conveyors. BRAZE water tanks, pipes, sheet metal. SOLDER radiators, wiring, leaky fuel cans, milk cans. HARD SURFACE plowshares, cultivator bits, shovels.

NEW DC PORTABLE
Belt Driven from any tractor, motor or engine

FORNEY FARM WELDERS
Box 37, Bethany Station, LINCOLN, NEBRASKA
Please send me complete information on FORNEY Arc Welders and Farm Welding Service.
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NEW FORAGE AND GRAIN BLOWER
OK with Wagon Unloader and Roll Aside Feed Trough
ALL IN ONE!

Yes, a forage and grain blower with its own wagon unloader—designed by farmers—tested and proven by farmers.

The blower has a 10 ft. feed trough that easily rolls out of way to permit load of forage to drive close to blower . . . no need to hoist feed trough in the air . . . big 19 ft. steel auger . . . wide adjustable fan blades for blowing hay, silage or grain.

. . . simple design . . . sturdy construction . . . backed by over 50 years feed cutting and blowing machine manufacturing experience. Complete details free.

WRITE NOW FOR DETAILS
ALGOMA FOUNDRY & MACHINE CO. ALGOMA WIS

Ever-tite HAND HOIST

RAISES BOX 44"

New "Double-Action" hand hoist cuts time and work 50%. Makes dump wagon out of any farm wagon. Raises up to 3 tons of grain, farm produce, etc., for unloading in a few minutes. Weighs 70 lbs., easy to move from one wagon to another. Many uses—raising poultry houses and other structures, logs, tractors or trucks for changing tires, pulling out posts, stretching fence wire. $50.00. Order through your dealer or write for circular. Ever-Tite Mfg. Co., 419 Washington St., Davenport, Iowa.

TAT MANGE SPRAY
Quick! Safe! FOR **HOGS** CATTLE HORSES DOGS

A Chlordane colloidal solution that remains in suspension indefinitely. Does not "break down" in sprayer to endanger livestock. No agitating equipment needed. NO OBJECTIONABLE ODOR, will not taint flesh of hogs. Controls Sarcoptic and Demodectic mange. Equally effective for lice. At dealers, or write:

ONE APPLICATION CONTROLS SARCOPTIC MANGE

O. E. LINCK CO., BOX 1440, SIOUX CITY, IA.
Factory: Clifton, N. J.

Trojan All Year HOG WATERER

Automatic NO FLOATS . . . NON FREEZING

Automatic — No Floats — Non Freezing
Provides constant supply of clean, fresh water at all times. Safeguards health. Prevents water waste.

NO HEATING UNITS
Quickly attached to barrel or tank. Delivered price $5.95 (plus sales tax in Iowa). See your dealer or order direct. Money back if not satisfied.

STANDARD MFG. CO.
Box 10
Cedar Falls, Iowa

A SPRAY RIG for only $69.50. For information write to VALLEY FARM EQUIPMENT CO., Box 93 C, Geneva, Ill.

Farm News Briefs

COMING EVENTS: June 20-24, Iowa 4-H Girls Convention, Ames; June 27-30, Iowa 4-H Boys Short Course, Ames; July 7, FHA Farm Ownership Achievement Day, Ames; July 27, WMT Forage and Storage Field Day, Manchester, Iowa; Aug. 12-21, Illinois State Fair, Springfield; Aug. 14-21, All-Iowa Fair, Cedar Rapids; Aug. 17-18, Pilot Rock Plowing Contests, Cherokee county, Iowa; Aug. 20-28, Wisconsin State Fair, Milwaukee, Aug. 21-28, Missouri State Fair, Sedalia; Aug. 26-Sept. 2, Iowa State Fair, Des Moines; Aug. 27-Sept. 7, Minnesota State Fair, St. Paul.

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BUENA VISTA Electric Co-op at Storm Lake, Iowa, has a new REA loan to build 15 miles of line and serve 30 additional farms.

▲ ▲ ▲

SIX MONTHS IN JAIL is the penality Arthur Wiese, a Wisconsin farmer, must pay for selling surplus potatoes to stores and restaurants. Wiese bought spuds from the USDA for 25 cents per 100 pounds for use as cattle feed, then sold them at $2 a hundred.

▲ ▲ ▲

THE USDA'S superior service award to employes who have done outstanding jobs during the past year goes to these three men known to Iowans: Dr. William A. Craft, in charge of the USDA's swine breeding program at Iowa State College; Hugh Braby, Farmers Home Administration supervisor at Mason City; Maurice Heath, of Big Flats, N. Y., until recently in charge of the Soil Conservation Nursery at Ames.

▲ ▲ ▲

EIGHTEEN IOWA high school seniors have been awarded two-year teacher-college scholarships by the women's committee of the Iowa Farm Bureau Federation.

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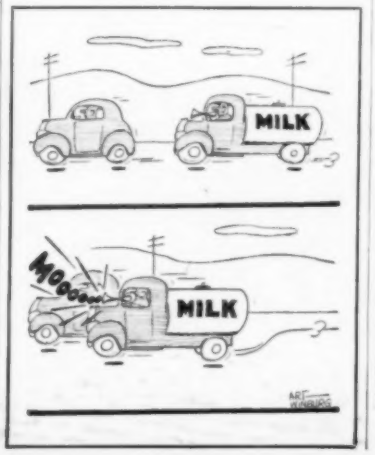
A NEW SOIL TESTING laboratory to serve eastern Iowa farmers will be set up by Iowa State College. Exact location hasn't been decided.

▲ ▲ ▲

GUY WOOSTER, of Monona county, Iowa, has been named chairman of the flood control and water conservation committee of the National Association of Soil Conservation Districts. Wooster is a commissioner of the Monona soils district and the works committee chairman of the Little Sioux flood control project.



FARMERS—?

IMMEDIATE Cash Dividends on Hog Cholera Serum Purchases

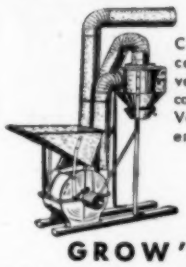
We can give you as large a dividend as anyone gives on serum purchases! And you don't have to wait till the end of the year to get paid!

We pay full dividends right on the spot! It's as simple and easy as that.

See your American Brand druggist or dealer today. There is one near you. If you don't know his location, write and we will speed it to you.

American Serum Dealers of Iowa
BOX 56, SIOUX CITY, IOWA

"GOLD NUGGET" OAT-HULLER
CORN & GRAIN CRACKER



Called GOLD NUGGET because it greatly increases value of your own grain and corn. Requires only 4 to 6 H. P. Very simple. Easy to run. Efficient. 2 yr. guarantee. Low price.

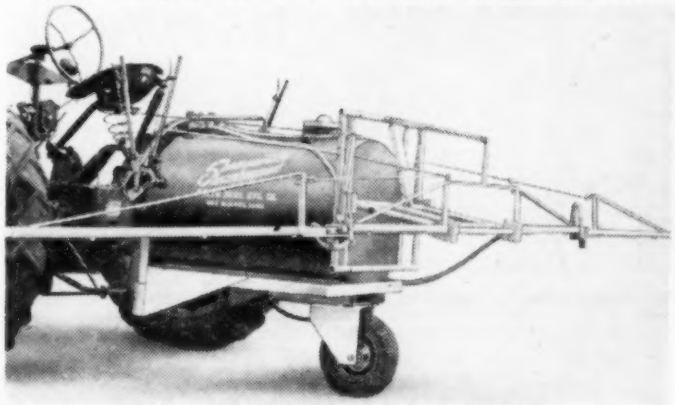
GROW 'EM BIG
Hulled oats will do it. Produces heavy bone and muscle. Helps ward off disease. Retains their baby fat. Puts a **curl in their tail.** Right start means fast finish.

GROW 'EM FAST
5½ to 6 months maturity makes quick profit, early markets. Hulled oats and cracked corn will do it. We tell you how. Read enthusiastic reports of owners' and proof of **time, money** and **labor saved.**

Hulls oats 40 to 60 bu. per hour; cracks corn 2 grades 50 bu. per hour. Grows quick bone and muscle all young livestock and poultry. Write for circulars, "Road to Profit or Road to Loss" and "True Picture Story of 17 Scrub Pigs." (Why waste your oats, corn, and grain crops? Process it yourself better . . . at lower cost.) Write Dept. WF-69.
(Original)

WILLIAM GALLOWAY & SONS COMPANY, Waterloo, Iowa

KILL WEEDS EASIER WITH A SPRAYSMITH



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SMITH BROTHERS MFG. CO., 5809 Fleur Drive, DES MOINES, IOWA

—SAVE MONEY THE EASY WAY—BUY SAVINGS BONDS NOW—

Expert Explodes Myth For Septic Tank Users

With the present building boom spreading far beyond the reach of city sewage systems, more and more queries are being received every day by the Hi-lex Company. In general, these questions ask, "Is it true that I can't use Hi-lex any more since we now have a septic tank?"

The best way to answer this is by repeating exactly what a septic tank expert, Clarence Hecht of Minneapolis says:

"As operators of the Suburban Cesspool Service Company, we are constantly being consulted about the use of household bleaches in connection with septic tanks.

"We have found that normal all-around usage of Hi-lex Bleach will not impair the effectiveness of septic tanks. In fact, we have been using Hi-lex for years—it's the finest bleach we've ever tried."

VENTILATION PLUS EASILY ERECTED

Behlen All Steel Bar Mesh CORN CRIBS

Proven Success! Behlen Cribs have made corn crib history. Demand far exceeds supply in season. Rectangular crib has all-steel construction with aluminum roof. Made of No. 2 (¼") gauge bars welded to a 2"x6" mesh corrugated for additional strength. Can't rust, galvanized after welding. Erected in few hours. Easy to fill or empty. Comes in 4-ft. sections for any capacity. Attractive. Last a lifetime.

Steel Bar Round Crib! Made of same Behlen heavy steel bar mesh; not chicken wire. Available in 10, 15, or 20-ft. height. Comes in 4'x10' and 4'x5' sections. Steel or tarp roof. Easy to empty through door. Low price. *Send for literature, dealer's name.*

BEHLEN MANUFACTURING CO., Dept. 502, Columbus, Nebraska

Hog Raisers Can NOW Buy the New Hog Cholera Vaccine!

NOW, for the first time, the farmer has access to the new non-viable vaccine for immunizing against hog cholera. This vaccine originated with Government scientists.

The Colorado Serum Company is licensed by the Department of Agriculture to produce it under strict Government supervision.

Colorado Hog Cholera Vaccine

confers dependable immunity. There are no setbacks, and no danger of spreading cholera infection. It is economical and SAFE.

Local Drug Stores can get it. See yours, or write for free descriptive booklet.

COLORADO SERUM COMPANY

Denver 16, Colorado Council Bluffs, Iowa

Buy a Bond to Help Your Country and to Help Yourself in Later Years

Voice of the Farm

Says Assessor Law Raises Taxes

To the Editor: Under the county assessor law, it appears that taxes are considerably higher than in the past.

It is possible to so run the government that it will cost out of reason, lower living standards, complicate matters and create chaos. Is that the way to fight Communism and keep America strong? — Albert Elling, Franklin County, Iowa.

We can always reduce taxes by cutting the rates—whatever the assessment system.—Editor.

No Problem If All Play Fair

To the Editor: I see some of your readers believe that if a renter can't pay his rent, clean him out.

I don't agree. If you do that, what is the renter going to do? Anyone who is square will be glad to do what is right rather than have his property taken.

I believe in the old sayings: "Live and let live" and "Do unto others as you would have them do unto you."—M. C., Kossuth County, Iowa.

If everyone did that, there wouldn't be any problems.—Editor.

Took Days To Fill Silo In 1895

To the Editor: Just recently, we tore down what may have been the oldest silo in Iowa.

Built in 1895, the silo was 27 feet high above an 8-foot stone wall. Inside dimensions were 12 by 14 feet. It was made of a framework of 2x8's, spaced 9 inches apart. Lining was two thicknesses of 8-inch shiplap, with two layers of heavy building paper.

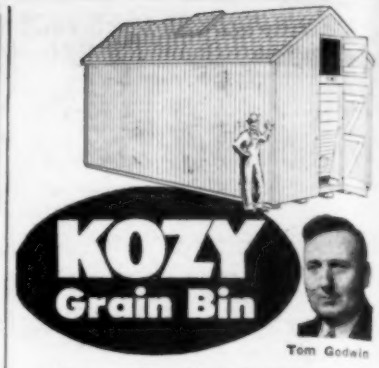
When the silo was built, and for many years after, the silage cutter used was driven by horse-tread power and the corn was cut by hand. The silo took many days to fill. In recent years, it had been filled in four and one-half hours.

We wonder if there is an older silo still in use.—Mrs. Clem Stortz, Winneshiek County, Iowa.

Does anybody know of one?—Editor.

Mud-Road Mac

"Sure, it's addressed. . . Ever hear of invisible ink?"



Pays To Hold Grain For Higher Prices!

BETTER STORAGE—LOWER COST

Store in a genuine KOZY! Get enough extra to pay for bin the first year! Ready-built of best lumber, natural material for grain storage. Prevents cures wet and combined wheat. Avoids shrinkage. Improves quality.

POWERFULLY CONSTRUCTED! Special cross-bracing every 6-ft. in larger size bins. Steel tie-rods, reinforcing strip at eaves, special corner bracing. Wood or asphalt shingles or corrugated aluminum roofing. Really built to LAST! 8 sizes—200 to 3,600 bu. Shipped complete. Easy to assemble. **WRITE**—Send name quick if you don't know name of local dealer. Get full details and low prices. Supply limited—rush today!

KOZY MFG. CO., Dept. WG, EXIRA, IOWA

GREEN PASTURES are not enough!

Scientific tests show even lushest pastures often fail to supply livestock with sufficient or the right minerals. The time-saving, labor-saving way to supply needed minerals is to feed Min-A-Lak free choice.

MIN-A-LAK is a mineral supplement with all known major and trace minerals.

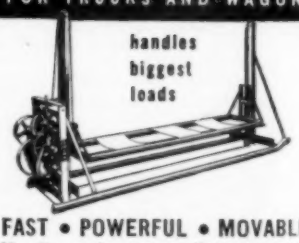
PURITAN-40 is a rich, 40% protein concentrate with all known amino acids.

The Puritan man will gladly tell you about Puritan's lot-proved feeding program . . . or write directly to

PURITAN Laboratories, Inc. Des Moines, Iowa

MEYER *Portable* PLATFORM HOIST FOR TRUCKS AND WAGONS

handles biggest loads



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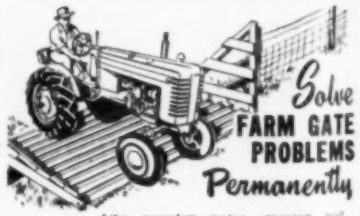

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HEAVY DUTY SERVICE

DUMP ANY LOAD YOUR TRUCK CAN CARRY . . .

in 12 seconds . . . regardless of weather or operating conditions. Convert your farm truck now into a modern dump truck for profitable, time-saving, heavy duty service the year 'round. Easy to install and operate . . . fits all standard trucks.

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Precision built for long life with combined bearings and wear plates. Has double shaft extensions to fit power takeoffs rotating in either direction and selective sliding type control valve integral with the pump.

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PIN-WORMS cause Fidgeting and that awful ITCH!

Losing sleep, almost going mad because of a tormenting, embarrassing rectal itch? This may well be a warning sign of Pin-Worms, ugly creatures that live and grow inside the human body. And this common condition can cause more serious trouble ...even internal inflammation and bleeding.

There's no need to take chances with this nasty pest. A new, scientific treatment —**Jayne's P-W Vermifuge**—now offers *real* relief from Pin-Worms. **P-W** contains a tested, medically-approved drug that destroys Pin-Worms in the intestine and removes them from the body.

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SAVE YOUR LIFE!

N. J. Wardle, Iowa State College safety specialist, tells this true story about an Iowa farmer who tangled with a buzz-saw:

"HI, PETE! How's the lumber cutting?"

"Fine!" Pete yelled back to his neighbor as he reached over and shut off the power. With a whirring sound the saw slowed down. The motor coughed to a standstill.

"How about cutting about 2,000 feet for me this week? I'll haul it over and furnish two men to help cut it."

"I don't know, John. I've got about three days' work here on my own. Got to get this lumber cut to build a new machine shed."

"Sure wish you could. You do a good job of cutting. Would it help any if I helped you on your lumber?"

"Well — maybe. Ever worked around a big saw like this?"

"No. But I can learn. Nothing much to it. I've got a strong back."

John did start to help Pete. As the day progressed, Pete wondered if it was wise to have let John help him. They hadn't been working long when he noticed John climbing over some loose poles as he swung the end of a log into place. Risky business!

By mid-afternoon, John was noticeably tired. "Can't you force the saw a little more?" John was beginning to feel he knew the sawing game.

"This crazy guard is surely a nuisance."

"Perhaps we better stop for today. You are getting pretty tired, aren't you?"

"No. I can keep going as long as anyone," John angrily answered.

The next log they moved to the saw, John jerked the saw guard back. "It'll go faster without this."

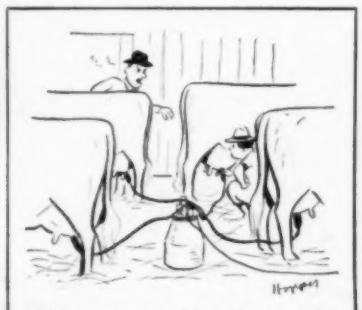
Pete started to speak, and always after wished he had. Because, as John pushed the log into place he slipped.

John didn't help with any more of the sawing. He did no more work that summer to amount to anything. A one-armed man just can't be of much help around a buzz-saw.

Safety precautions do pay.

Safety practices which skilled workers have learned over the years should be practiced by learners.

It simply does not pay to fight a buzz-saw.



"If I want anything done right around here, I have to do it myself."

REG. U.S. PAT. OFF.

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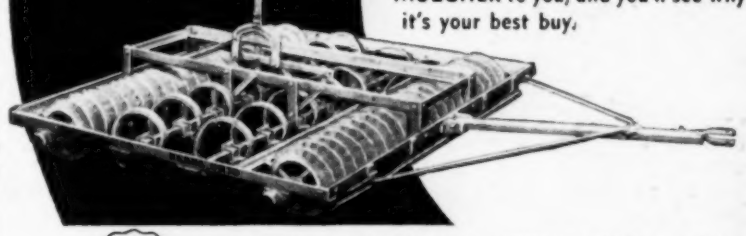

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THE SILOGERM CO., Bloomfield, N. J., Distr.

MRS. ARTHUR TIBBEN

MRS. LE ROY WITMER

MRS. MERLE TWINAM

New Master Farm Homemakers

By ZOE MURPHY

EACH year, Wallaces' Farmer and Iowa Homestead recognizes the Iowa farm women who have been selected as Master Farm Homemakers.

It's not easy for the judges to make these selections. Many farm women do an excellent job in homemaking, yet take time to do much community work.

Because we can not recognize all who could qualify, we honor the five shown here, and in so doing honor all fine farm women who are outstanding homemakers.

Some live on small farms, others on large ones. But they are all typical farm women, who live and work and raise their families on farms. All are fine homemakers and have the respect and admiration of their communities.

We were fortunate to have as judges Miss Louise Rosenfeld, director of home economics at Iowa State College; Mrs. Mabel Hewitt, supervisor of home economics at Iowa State College, and Miss Fannie Gannon, well known over Iowa for her work in home management.

MRS. ARTHUR TIBBEN,
Iowa County.

Mrs. Tibben lives on an 80-acre farm with her husband and two children, John 11 and Marna 12. Both children are 4-H Club members. Mr. and Mrs. Tibben purchased their home in 1939 with a tenant-purchase loan which is all paid off, and they are now rebuilding their home.

Mrs. Tibben, a teacher before marriage, has served as county Farm Bureau chairman. She is now township chairman. She is active in 4-H Club work. This past year she has been in charge of one of the classes in the Marengo adult school.

She has served as district president of the Lutheran Missionary League.

MRS. ED O'NEIL,
Clay County.

Mr. and Mrs. Ed O'Neil live on a 240-acre farm north of Spencer. One of their two sons lives on the home place; the other is an architect in Des Moines.

Mrs. O'Neil was a teacher before her marriage. She has been active in the Farm Bureau, church, Sunday school and rural women's groups. She has been county library chairman for five or six years. Three of these years, Clay county was high in the state.

She writes a column for the Spencer Times, called "Thru Country Lanes." Her home has been remodeled and is entirely modern and very comfortable. Both Mr. and Mrs. O'Neil have wide interests.

MRS. EARL DEAN,
Cerro Gordo County.

Mr. and Mrs. Dean are parents of three fine sons—20, 18 and 10. They live on a 320-acre farm a few miles south of Mason City. The eldest son attends Iowa State College, the second boy goes to Mason City Junior College, and the youngest boy attends the local grade school.

The Deans are musical, and are active in all musical circles both in the rural community and in Mason City.

Mrs. Dean is an active member of the Congregational Church in Mason City. She was presented with a diamond pin for her 20 years' service as a 4-H Club leader this last year. She has also served as county home project chairman.

MRS. MERLE TWINAM,
Washington County.

Mr. and Mrs. Twinam live near Crawfordsville on a 160-acre farm. There are two children, Charles, a sophomore at Iowa State College, who will come back to the farm after graduation. Virginia is a freshman in high school.

Mrs. Twinam keeps up an attractive home, takes part in community activities, and for the last year has been a member of the Iowa Farm Bureau women's committee.

She is active in the United Presbyterian church and Sunday school in Crawfordsville. She has been a 4-H Club leader, and both children have been active members.

The Twinams have both done much work to better community life.

MRS LE ROY WITMER,
Cedar County.

Mrs. Witmer is a former school teacher. She was raised in town, but has adapted herself to farm life unusually well. Mr. and Mrs. Witmer live on a 170-acre farm not far from Tipton. They have two children, a boy in high school and a girl in grade school.

Mrs. Witmer recently had published a "Farm Woman's Creed." She composed this while driving a tractor for plowing. Both Mr. and Mrs. Witmer are active in church and the community. They attend the Methodist church in Tipton.

Mrs. Witmer is younger than the average Master Farm Homemaker, but she is dong an excellent job with her family and in community life.

MRS. ED O'NEIL

MRS. EARL DEAN

Women Thrilled by New Way to Make Better Bread!

Quicker, Easier . . . Larger, More Uniform Loaves . . . Better Texture . . . with Robin Hood's "Rolled Dough" Method!

Recipe by Rita Martin

ROBIN HOOD White Bread

¼ cup sugar
4 cups lukewarm liquid (if milk is used, scald and cool to lukewarm)
12-12½ cups sifted ROBIN HOOD ENRICHED FLOUR
2 cakes comp. yeast or 2 packages dry granular yeast
3 tbsp. lukewarm water
¼ cup shortening, melted, cooled
2 tbsp. salt

ADD—sugar and salt to liquid; let yeast stand 5 min. in lukewarm water.

BEAT—2 cups flour into liquid mixture using rotary beater; add yeast mixture and beat again.

ADD—4 cups flour, beat until smooth; then mix in shortening. Stir in remaining flour, mix thoroughly; turn onto lightly floured board, cover and let rest about 10 min.

KNEAD—until smooth and satiny (about 5 minutes).

ROUND UP—dough, place in a large greased bowl. Cover with damp cloth, set in warm place (85° F.) and let rise until double (about 1½-2 hrs.)

PUNCH DOWN—and let rise again until nearly double. (May omit this 2nd rising to save time.)

CUT—dough in 4 equal parts, round up, cover and let rest about 10 min. on lightly floured board.

*SHAPE—into loaves and place in well greased bread pans. (See easy illustrated method below).

COVER—lightly and set in a warm place, allowing dough to rise until sides reach top of pan and corners are filled (about 1½ hours). Dough should feel light to the touch.

BAKE—in moderately hot oven, 375° F., about 50 minutes.

YIELD—4 Loaves.

*Use new Robin Hood "Rolled Dough" Method for shaping perfect loaves of better bread

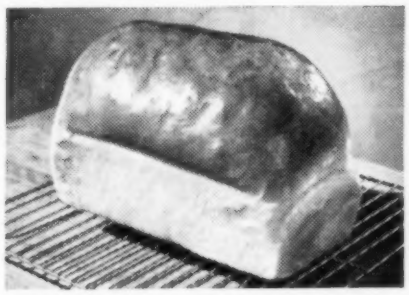
STEP 1. With rolling pin, roll dough out to uniform thickness, stretching by hand to form rectangle approximately 9" x 12". Make certain to break down all gas bubbles in the outer edge of the dough.

STEP 2. From upper edge, roll dough toward you, jelly roll fashion, sealing dough with heel of hand after each roll of dough. (About four turns will bring you to last seal). Be sure to seal final seam on bottom of loaf.

STEP 3. Seal ends of the loaf by using the side of the hand to get thin sealed strip.

STEP 4. Fold sealed ends of loaf under, using fingers, as shown above. Avoid tearing dough.

STEP 5. Place shaped loaf, with seam side down, in well greased bread pan.



STEP 6. Proceed in usual way for raising and baking . . . for a perfect loaf every time!

9 Out of 10 Women Say this Exciting New Method Gives the Finest Bread They Ever Baked

Women everywhere are finding new baking tricks with the new Robin Hood "Rolled Dough" Method of home bread baking. Woman after woman gives the same report, "Here's an easier . . . quicker . . . simpler way to make better bread." 9 out of 10 women agree the Robin Hood "Rolled Dough" Method is easy, gives a perfect loaf every time.

With this new method you get a loaf of bread that's bigger—looks better—tastes better than any other home-baked bread. No large holes in the center of the loaf—the texture is tender and even, the loaves uniformly high and well rounded.

The Robin Hood "Rolled Dough" Method was originated, developed and perfected by Rita Martin, famous home economist, for use with Robin Hood Flour. *You cannot get the same perfect results with any other flour.* Only Robin Hood Flour and the Robin Hood "Rolled Dough" Method together can produce such large, uniform loaves. That's because Robin Hood is different—it's milled from the finest selected wheats by an exclusive milling process to make your baking easy and successful.

Use the recipe for Robin Hood White Bread on this page—follow the easy step-by-step Robin Hood "Rolled Dough" Method—and we guarantee you will make the finest loaf of bread you have ever baked.

Get Robin Hood Flour from your grocer right away and try this new way to make better bread.

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"America's Fastest Growing Flour"

Cool Dresses For Summer

No. 8467—Sleeveless dress for sun-tanning hours, with a brief button-on cape for cover-up. Sizes 10, 12, 14, 16, 18 and 20.

No. 8463—Pretty graduation style that will be perfect for dates later on. Note the low back neckline. Sizes 11, 12, 13, 14, 16 and 18.

No. 1883—Yoked two-piecer that makes up handsomely in gay striped fabric. Accent with novelty buttons. Sizes 11, 12, 13, 14, 16 and 18.

No. 8450—For a mother-to-be. A cool, comfortable dress with buttons at the waistline for needed adjustment. Sizes 12, 14, 16, 18, 20, 40 and 42.

No. 1830—Crisply tailored and versatile as can be is this neat shirt-waister. Short or long bow-tied sleeves. Sizes 12, 14, 16, 18, 20, 40 and 42.

No. 8459—Designed to brighten household tasks, this charming dress will go marketing as well. Sizes 32, 34, 36, 38, 40, 42, 44, 46.

No. 8460—An adorable little sun-dress for sister, with a pert jacket to prevent burning tiny shoulders. Sizes 1, 2, 3, 4, 5 and 6 years.

No. 8470—This bare midriff dress for play will delight the popsicle crowd. Panties are included. Sizes 3, 4, 6, 8, 10 and 12 years.

No. 8280—Easy to care for, flattering to wear. Button-front, bold rick-rack trim. Sizes 14, 16, 18, 20, 40, 42, 44 and 46.

Patterns are 25c each, in coin or stamps—coin preferred. The New Spring and Summer FASHION Book is also 25c. It contains much information and a free pattern is included. Send orders for patterns or Fashion Book to the Pattern Department of Wallaces Farmer and Iowa Homestead, Des Moines. CAUTION——Always give your address.

Mrs. Floyd Chase and son come down the pretty stairway into the living-room of her new home in Warren county, Iowa.

COUNTRY AIR

By ELIZABETH C. WHERRY

NO WONDER they act like little demons. For nine long months their lives have been directed from nine in the morning until four in the afternoon. Then all of a sudden no more dash for the school bus, no class periods, no recesses by the clock — just no more routine.

* * *

Poor kids. They need a sense of direction as well as grown-ups do. The proverbial fish out of water doesn't flop around any more aimlessly than they do.

* * *

We all play certain parts every day. Mother gets the day going. Billy has everybody in a dither because he always loses his spelling-book. Susan must hold the role of a giggling freshman. Tom, of course, has to strut his senior privileges.

* * *

Then, with no more ceremony than a school picnic and a report card, there is no more familiar routine. No one knows just what part he plays any more.

* * *

"All the world's a stage, and all the men and women merely players." We like to have a book to give us our lines and our exits and our entrances. It balls things up when we've learned how to be a good fourth-grader and then the stage door slams shut and we're just kids on vacation.

* * *

Luckily, farm children have plenty of wide, open spaces, lots of young animals, and no end of fascinating projects to explore—from a wood-chuck hole to making money picking strawberries.

* * *

It's queer how all of us feel lost playing new parts—changing our roles. If Dad breaks a leg and Son Henry takes over the management of the farm for a while—both he and Dad have a little difficulty playing their new parts.

* * *

If Evelyn, who always had trouble making her grades, suddenly walks off with music contest honors, the family makes a new niche for Evelyn.

It's hard for Grandma, who bossed her home with a firm hand, to move in with her daughter's family, who live in a lively, modern fashion. She's not the boss any more.

* * *

Grandma went barefoot to save shoes. Her granddaughters go barefoot because it's cool and comfortable. Grandma wore clothes. Her granddaughters don't — not many, anyway.

* * *

Roles change, times change, the stage changes. But all the players have to go on with their lines and exits. They need a little coaching in stage business—just like the youngsters do in June.

* * *

Don't miss "The Red Shoes"—the new British-made film. It's still a little high-priced, so put it down on your list of second runs, if you've spent too much money on your summer bonnet.

* * *

I'm not sure how well men will like it. Should lift their egos to see what happens to the girl who fought off love for a career.

* * *

It is built around Hans Christian Andersen's fairy tale of the girl who always wanted to dance in red shoes. One day she did. She grew tired and wanted to quit, but the red shoes were bewitched, and wouldn't let her stop.

* * *

They danced on and on in the streets, thru the forests, over the mountains, by the seaside—on and on until she died of exhaustion. The movie, that is, the setting for this colorful little gem, modernizes the fairy tale.

* * *

"June wants me, and I'm to spare," sang James Whitcomb Riley. Well, I'm sure it wants you — may you be there to spare!

* * *

Housecleaning all done, chicks turned out to grass, children packed off to a picnic, a good book at hand, and an easy chair under the trees. What became of the old-fashioned hammock?

Who'd want to come out of a Kitchen like this!

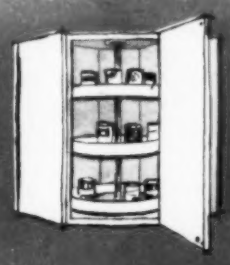
This just goes to show you the wonderful convenience and striking beauty you can have with a Geneva *Personalized* Kitchen in long-lasting, chip-proof enameled steel.

Just look at all that wide-open work space. See the bigness of the cabinets, with room to spare for all your supplies. Run your eye over that handsome stainless steel Geneva Sink—a complete work-center in itself to speed meal-getting and cleanup activities. Think of the countless steps you'll save with such a handy arrangement.

Your Geneva Kitchens dealer has dozens of other ideas. And he'll be glad to show you how *your* kitchen can be transformed at *surprisingly low cost* into a work-saving Geneva beauty like this. See him soon?

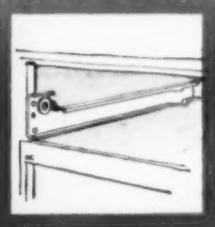
GENEVA

Exclusive Geneva Features



OUT OF THIS WORLD. Geneva's own handy Lazy Daisy corner cabinet. Revolving shelves bring every article within easy reach—save groping in back corners. Both base and wall styles.

HUSH-HUSH DRAWERS AND DOORS. Sound-deadened by an exclusive Geneva process. No metallic clatter. Double-wall construction, enameled both inside and outside to prevent rusting.



DRAWERS glide smoothly, easily, quietly on nylon rollers. Heavy steel channels prevent warping and sticking. Roller type interlocking slides. An exclusive Geneva design and construction feature.

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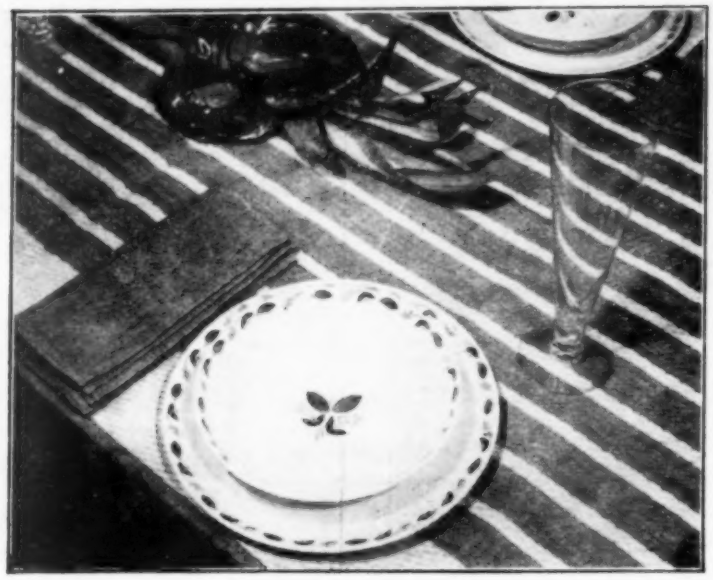
Insure canning success with Ball Dome Lids. To test seal, just touch DOME; if it's down, jar is sealed. No other lid has this amazing feature. In buying new jars insist on Ball, the only jars that come equipped with Dome Lids.

(*Offer in U.S. only, during 1949.)



"Ballerina" is just one of hundreds of attractive patterns to be found in American dinnerware.

Dinnerware For The Bride

The 1949 Bride Has A Wide Range In Prices And Patterns When Selecting Dinnerware

AS A BRIDE in your new home, one of your most enjoyable moments will be when you entertain your first dinner guests.

American dinnerware may be purchased in any price range and in hundreds of delightful patterns. Today, it not only is of finer quality, but it is also more durable and cheaper.

The term "dinnerware" is now used by American potters to apply to various types of dishes.

As you see an assortment in a china shop, there may seem to be many different kinds, but in reality, they can be listed under two classifications —china or vitreous ware, and earthenware or semi-vitreous.

China, or vitreous ware, sometimes called porcelain, is the finest type of ware made. It is delicate and beautiful, and so translucent that when you hold a piece toward the light, you can see the shadows of your fingers thru it.

The second type of American dinnerware is semi-vitreous, or earthenware. Here, the same basic clay and minerals found in vitreous ware are used, but in different combinations.

In some cases, the ware is molded to a greater thickness than is china, and it is not fired at quite such high temperatures. Consequently, the glaze does not completely penetrate the ware.

Earthenware is, however, highly resistant to chipping because of the deep, strong glaze with which it is finished, and it is a fine, durable ware.

The term "pottery" requires a little explanation, for it is used to apply to different types of earthenware. There is a great deal of American ware on the market which is called pottery, simply because of the casualness of design and its bright colors and patterns. It has the qualities of both beauty and durability.

There are other types of pottery, however, which are not sturdy. Made of coarse clay, with a very thin glaze, they chip easily and are not practical except for decorative purposes.

Two sets of dishes seem to be the rule in many families—one of better quality, for special occasions, with a less expensive set for day-to-day use.

It is a good idea to choose a fairly simple pattern for your biggest investment, perhaps a classic pattern, such as wreaths, a single center flower, a medallion, a slim band, or some other simple motif.

Don't neglect to study all the various pieces which you will be buying, to be sure they are pleasing in shape. This is particularly true of cups, for they are not all equally easy to drink from nor to hold. The china selection should also be considered in relation to the silver and crystal patterns.

With a classic pattern, you can always use accessory pieces in a matching or blending color, and so have variety and individuality in your table arrangements. They should, however, be the same kind of ware, for semi-vitreous and china don't go together.

For daily use, any bride will enjoy the bright, colorful patterns which are so popular. But give a thought as to the effect certain foods would have on a particular design or color.

When it comes to quantity, you must be the judge, for it will depend upon how much you entertain and the amount of storage space you have. If you buy from open stock, you can fill your number as needed.

Be sure, however, that the pattern will be continued, as some are held only for certain periods. Usually, the classic periods run indefinitely—a fine recommendation.

Buying in place settings or in starter sets is a good idea, for then sufficient pieces are at hand to serve one person or more. With occasional purchases and gifts, your supply can be brought up to the needed number.—Orinne Johnson.

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This attractive layout of house and farm buildings belongs to Mr. and Mrs. Dan Gilbert, of Greene county, Iowa.

When Cherries Are Ripe

There Are Many Ways Of Serving Cherries, But Probably The Best Way Is Cherry Pie

FROM the first moment the birds call, "Cherries are ripe!" to the moment the last rich, red fruit lies in a dish of something delicious to eat, cherries can be a taste treat by varying the methods of serving them.

A simple way to prepare cherries is to wash, pit and place them in a serving bowl. Add one cup of sugar to each four cups of sour cherries. Chill until lunch-time. Pass the cream, either plain or whipped.

Then there is the old stand-by, cherry pie—one of the best pies baked in the American kitchen. But, good as they are, do not stop at the top of the list with your baking. There are cobblers, upside-down cakes and the frozen or chilled cherry dishes.

Get out the ladder and pick the cherries for that pie. Here are two pie recipes. Try both before the cherries are gone.

RED CHERRY PIE

4 cups cherries, pitted
2 cups sugar
¼ cup flour
⅛ teaspoon salt
2 tablespoons butter
1 recipe plain pastry

Combine cherries, sugar, flour and salt. Fill 9-inch pastry-lined piepan. Dot with butter and adjust top crust. Bake 10 minutes in 450-degree oven, then 30 minutes in 350-degree oven.

LUSCIOUS CHERRY PIE

2 cups cherries, pitted
½ cup cherry juice
⅛ teaspoon almond extract
½ cup white sugar
½ cup brown sugar
3 tablespoons quick tapioca
1 tablespoon butter
1 recipe plain pastry

Combine cherries, juice and almond extract, sugars and tapioca; let stand 15 minutes. Pour into 8-inch pastry-lined pan, dot with butter. Adjust top crust and flute edge. Bake in 450-degree oven 10 minutes, then in 350-degree oven 30 minutes.

MARSHMALLOW CHERRY COBBLER

Cobblers, like pies, were served by the early settlers, and, like pies, the recipes have been handed down from generation to generation.

2 cups unsweetened cherries
4 tablespoons sugar
2 tablespoons flour
¼ cup lard
½ cup sugar
¼ cup milk
16 marshmallows
¼ teaspoon almond flavoring
1 teaspoon lemon juice
1 egg
½ teaspoon vanilla
1¼ cups flour
1½ teaspoons baking powder

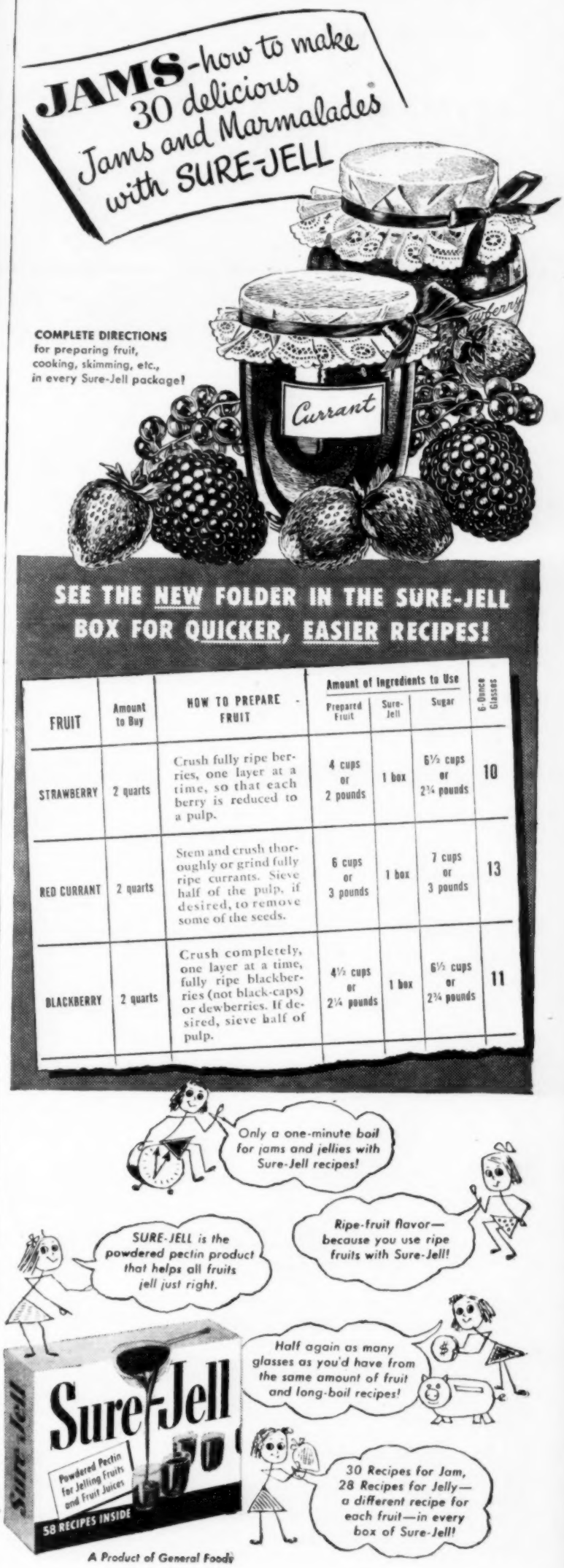
Cream lard and sugar. Add egg. Mix well. Add milk and vanilla. Mix. Sift together flour and baking powder. Add to sugar mixture. Blend. Place two-thirds of dough on well-floured board. Roll out.

Place cherries in dough-lined pan. Add almond flavoring to the lemon juice. Sprinkle over cherries. Mix together sugar and two tablespoons flour. Sift over cherries. Arrange marshmallows over all. Roll out remainder of dough and place over top of marshmallows. Crimp as for pie. Bake in a 375-degree oven for 50 minutes.

CHERRY UPSIDE-DOWN CAKE

2 tablespoons shortening
½ cup sugar
1 egg
¼ teaspoon almond flavoring
1¼ cups flour
1½ teaspoons baking powder
¼ teaspoon salt
½ cup milk

Cream shortening. Gradually add sugar. Add well-beaten egg. Alternate sifted dry ingredients with milk. Add flavoring. Arrange one and one-half cups fresh cherries, one tablespoon butter and three-fourths cup sugar in pan and cover with cake batter. Bake in a 350-degree oven for 45 to 50 minutes.



FRUIT	Amount to Buy	HOW TO PREPARE FRUIT	Amount of Ingredients to Use: Prepared Fruit	Sure-Jell	Sugar	6-Ounce Glasses
STRAWBERRY	2 quarts	Crush fully ripe berries, one layer at a time, so that each berry is reduced to a pulp.	4 cups or 2 pounds	1 box	6½ cups or 2¼ pounds	10
RED CURRANT	2 quarts	Stem and crush thoroughly or grind fully ripe currants. Sieve half of the pulp, if desired, to remove some of the seeds.	6 cups or 3 pounds	1 box	7 cups or 3 pounds	13
BLACKBERRY	2 quarts	Crush completely, one layer at a time, fully ripe blackberries (not black-caps) or dewberries. If desired, sieve half of pulp.	4½ cups or 2¼ pounds	1 box	6½ cups or 2¼ pounds	11

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Men like modern kitchens, too. Lloyd Rittgers, Webster county, Iowa, helps himself to a drink from the running water in the new sink.

COOKERY CORNER

JIFFY ICE CREAM

3 eggs
½ cup light syrup
¼ cup sugar
¼ cup milk
1 teaspoon vanilla
¾ cup whipping cream

Beat egg whites until stiff. Add syrup gradually, beating constantly until a stiff meringue is formed. Combine sugar, milk and beaten egg yolks. Add vanilla. Beat cream until almost stiff. Combine the meringue, whipped cream and egg yolk mixture. Freeze at coldest point and stir once, one-half hour after placing in the refrigerator.—Clara Ruch, Richardson County, Nebraska.

CHERRY SHORTCAKE

Melt one-fourth cup butter in one cup hot milk. Beat two eggs, one-half cup sugar and one teaspoon vanilla until fluffy. Add one and one-half cups flour sifted with one-fourth teaspoon salt and four teaspoons of baking powder alternately with the hot milk mixture.

Bake in waxed-paper lined 8x8-inch pan in a 350-degree oven for 30 minutes. Cool and split. Heat three cups pitted cherries and one cup sugar until juice forms. Cool. Put layers together with cherry mixture. Top with sweetened whipped cream and whole cherries.

MILK-BAKED VEAL

3½-pound shoulder of veal (boned and rolled)
1 teaspoon salt
Paprika
3 tablespoons shortening
6 tablespoons flour
¼ teaspoon white pepper
1 teaspoon salt
¼ teaspoon paprika
3 cups of milk (more or less)

Season the veal with salt and sprinkle with paprika. Place in a small open roaster and bake uncovered in 300-degree oven for 90 minutes. Remove from oven and drain off liquid drippings. Melt shortening in saucepan. Stir in flour, salt, white pepper and paprika until smooth. Heat drippings together with enough milk so that, combined, they make one quart. Add slowly to flour-fat mixture and cook over low heat, stirring constantly until the sauce thickens. Pour slowly over veal in the roaster. Return to oven at the same temperature and bake uncovered about 45 minutes, or until veal is tender and browned, basting every 15 minutes. Remove to serving plate, pour sauce over and sprinkle with parsley for garnish.—Mrs. J. N., Linn County, Iowa.

ONE-DISH DELIGHT

3 medium carrots, sliced
1 cup celery, cut quite fine
¾ cup rice, uncooked
3 onions, cut fine
1 pound ground beef or hamburger
1 green pepper, cut fine
3 good-sized potatoes, sliced
1 can stewed tomatoes

Brown meat in frying-pan. Place ingredients in layers in order given in a large baking dish, seasoning to taste. Cover with tomatoes, adding more liquid if necessary. Bake in a moderate oven for two hours. Delicious! — Marie Beard, Polk County, Iowa.

SALMON PIE

1 No. 1 can salmon
1 cup peas
2 cups thick white sauce
½ cup grated cheese
2 cups mashed potatoes
1 tablespoon butter
Salt and paprika

Flake salmon. Add to the white sauce, peas and cheese. Place in a buttered baking dish. Top with potatoes. Dot with butter and sprinkle with paprika. Bake in a 400-degree oven for 15 minutes, or until brown. This will serve six persons. — Mrs. H. R., Keokuk County, Iowa.

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To Defrost The Home Freezer

DEFROSTING a home freezer is a job different in many ways from defrosting any automatic refrigerator, according to Dr. Earl McCracken, U. S. Department of Agriculture physicist.

From his study of home freezers in laboratories of the Bureau of Human Nutrition and Home Economics, Doctor McCracken offers the following advice for removing powdery frost and solid ice:

"Defrost before more than one-half inch of frost forms over a considerable area of the refrigerated surfaces. Ordinarily, once a year is often enough, but in humid surroundings, or if the freezer is frequently opened, the job may need doing two or three times a year. Defrost, if possible, when relatively little food is in the freezer.

"Remove frost unmixed with ice by scraping with the freezer in operation. If the freezer is not too full, move food packages from one part to another as you work, rather than taking them out.

"Use special scraping tools sold for the purpose, or a broad, stiff spatula, a putty knife or a sharp-edged wooden paddle.

"Catch frost on papers, cardboard or cloths as it is scraped from vertical dividers and walls; or collect it from the bottom with a dustpan and whisk-broom. If pans and broom are kept cold, the frost will not melt from contact with them.

"If ice is mixed with the frost, or a complete cleaning job is needed, remove food packages and disconnect the freezer. Put the packages on trays or in baskets that have been well cooled in the freezer. Pile packages compactly and cover with chilled blankets, newspapers or other insulating material. Then work as follows:

"Scrape as much frost as possible from the surfaces, to lessen need for mopping up melted ice. If the freezer has a drain, speed melting by running cold water over refrigerated surfaces. Do not use hot water because this would cause difficulty when starting the compressor again.

"Speed defrosting by removing loosened ice from the surface. An electric fan can help melt the ice if placed so that it blows room air into the freezer or cold air out.

If the freezer is upright, set the fan on the floor or on a chair, to blow air directly into the freezer. If the freezer opens on top, the fan may be placed on the bottom of the compartment and tilted upward slightly, to blow against a side wall; or the fan may be put on the freezer and tilted down to blow into it.

"While ice and frost melt, wipe up the water with cloths, and clean the non-refrigerated surfaces of the freezer. When defrosting is done and the freezer clean, connect the freezer and let it run half an hour or so to lower the temperature somewhat before replacing the food.

"When returning food packages to the freezer, take time, if possible, to make an inventory. It is a good opportunity to bring the older packages to the fore, and mark them plainly for first use."

RED STAR Special Active DRY YEAST IS FASTER DISSOLVING

QUICK METHOD BREAD

3 packages Red Star Dry Yeast
¾ cup warm water
⅓ cup sugar
5 teaspoons salt
3⅓ cups lukewarm water
11½ cups sifted flour
5 tablespoons shortening

Dissolve 3 packages Red Star Dry Yeast in ¾ cup warm water. Let stand 2 to 3 minutes. Place ½ cup sugar, salt and 3¼ cups water in a large bowl. Stir yeast solution thoroughly and add to this mixture. Add half the flour and beat well. Add melted and cooled shortening, stirring vigorously. Add remainder of flour, stirring until well mixed. Place dough on lightly floured board and knead 5 to 7 minutes. Shape into smooth ball and place in greased bowl. Brush top lightly with shortening. Cover and let rise in warm place for 45 minutes. Punch dough down; shape into loaves and place in greased pans. Brush tops of loaves lightly with shortening. Cover and let rise in warm place for 45 minutes. Bake in moderately hot oven (400° F.) for 50 minutes. Makes 4 loaves.

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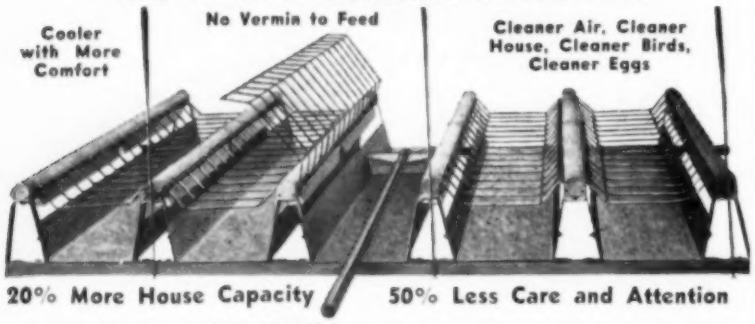

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You Can Cool Off Your Hen House

A Little Insulation And Windows In The Right Places Can Keep Flock Comfortable

WATCH the production of your flock drop when hot weather hits. Hens hate heat more than cold. Feathers fly and egg-laying drops off in summer.

What can you do about it? "Turn the hens out and let 'em find a cool spot," say some folks. That's not a good answer. Confinement — if something can be done about heat—is too important to high production.

Trouble is that the hen house often is the hottest building on the farm. Why? With most hen houses, there are two reasons: Air can't circulate freely because the houses are open only on one side; south windows and poor insulation won't keep out the sun's heat.

Yet many flock owners have comfortable laying houses and are getting lots of summer eggs. No reason why you can't, too.

How can you tell if your house is too hot? Turn the hens out on a hot day and see what they do. If the house is comfortable, most of the flock will return to it in a short time; some won't leave at all.

But if the birds leave the house and stay away, it's probably too hot for them. There are other reasons why hens don't like a house, but high temperature is one of the worst faults.

If the hens desert the house, where do they go? Often it's the barn runway thru which a draft blows all day long. Maybe it's a double corn crib. Or it might be the shade of shrubbery or trees.

The barn runway is a favorite spot because it usually has a hay-loft. This acts just like a straw-loft in a hen house. The straw or hay keeps the sun's heat from reaching the lower part of the barn.

Why not remodel your laying house to give it the advantages of the barn? It isn't much of a trick.

Check your hen house to see if you get a draft thru it in summer. If you don't, there's a reason. Probably you'll need to cut extra window openings in each end of the house. Leave these open, and notice the difference in the feel of the house on hot days. See if the hens don't like it better.

Summer drafts aren't dangerous if the birds can get away from them. A draft means more comfort in hot weather.

Next, you'll have to figure some way to insulate. The straw-loft was the first important step taken by flock owners to build summer as well as winter comfort into their houses.

A straw-loft isn't the best type of insulation. But it works, and it's cheap. It's a simple way for a renter to cool off the hen house when the landlord won't insulate properly. And it's worth the trouble to see what insulation will do.

A big disadvantage of the straw-loft is that it should be removed and new straw put in when the pullets are housed in the fall. It's a dirty job to change it.

That's why a tight ceiling and wall insulation job is best in the long run. But you may have to wait a while before taking that step. So try a straw-loft for a year or so, and you will be convinced you can't get along without insulation.—W. R. Whitfield.

HIRED HAND HARLEY—Sounds Like A Sure Cure For Drouth

IODINE IN FEED

helps insure healthy livestock

Iodine is an essential element in the nutrition of farm animals. When used in formula feeds, mineral mixtures and salt blocks, Iodine helps *prevent:*

- Goiter.
- Interference in reproductive processes.
- Birth of weak, deformed offspring with poor life expectancy.
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Ask your dealer and be sure the feed products you buy contain Iodine.

Write for free booklet, "The Place of Iodine in the Nutrition of Farm Animals."

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BE SURE . . . of your chick ration!
FEED YOUR CHICKS
VICTOR
CHICK STARTERS
(GRANULES OR MASH)
CRETE MILLS . . . CRETE, NEBR.

For MORE POSITIVE, MORE ECONOMICAL CONTROL of CECAL Coccidiosis

Depend on Dr. Martin's PROVEN

SULFADINE

- A quart makes 32 gallons of medicated water for only $3.60—treats 300 to 500 chicks.
- Saves losses because it works FAST. Many report recoveries in less than 24 hours—quick return to feed.
- Easy to use—just add to drinking water. Birds actually like it.
- If you buy now, you'll be ready at first signs of coccidiosis.

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FAMOUS FOR QUALITY CHICKS

Yes! We can supply you with big, strong, husky chicks on only 3 to 7 days notice! Fast feathering. Pullorum controlled. Bred for high production. Send this ad and get $1 credit on $5.95 special. Guaranteed to live 3 weeks or replaced free. We ship C.O.D. Pay postman few cents for shipping charges. Also 2 to 18 weeks old pullets. Write for prices.

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STOUFFER'S FAMOUS CHICKS — U. S. APPROVED. Immediate Delivery. Grade A Barred White Rocks, White Leghorns, Buff Austra-Whites, Hampshire-Whites, $12.90; Buff Minorcas, Giants, $14.90; Wyandottes, Reds, $15.90; Heavy Mixed, $10.90; Lights, $9.90; Leghorn Cockerels, $14.45; Seconds, $5.95. Thousands of four-week Leghorn pullets from high producing stock. Write for catalog and prices. STOUFFER'S HATCHERY, LENA, ILLINOIS.

FARMER'S WOOL made into blankets, batting, rugs and yarn. Wool batting washed and renovated. Made into blankets. Circular free. MONTICELLO WOOLEN MILLS, Monticello 6, Wisconsin.

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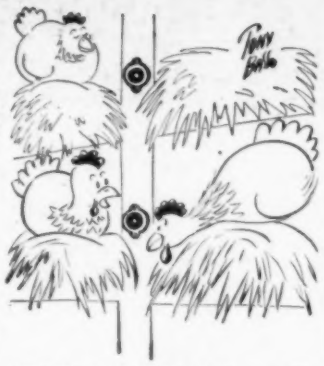


"That's right, Virginia . . . we don't cackle any more, we just press the buzzer."

The Farm Flock

IT'S TIME to start getting hard-boiled with your laying flock. A lot of hens quit laying in June or July and start molting. Step up your culling program to get rid of the loafers. They will put away six or seven pounds of feed apiece each month—and there's no profit in that. Keep birds with bright combs and uncolored beaks and legs. Sell the rest.

▲ ▲ ▲

"DON'T BUY CHICKS after mid-June," says a USDA poultry expert. There will be plenty of chicks started by then to produce all the eggs we'll need in 1950, he says. If the expansion keeps going after that, surplus problems could be really serious next winter.

▲ ▲ ▲

DARK CLOUDS in the 1950 egg price outlook are these: The government is having to work overtime to buy enough dried eggs to keep prices barely above support levels. And the chances are that supports will be lower next year. Also, consumer incomes may be cut next year. Supplies of red meats and other foods competing with eggs will be larger and lower-priced.

▲ ▲ ▲

EGG SURPLUSES, says H. H. Alp, of the American Farm Bureau, are caused mostly by sloppy handling on the way to market. Alp says the government would not have had to buy a single surplus egg last year if Americans had eaten just seven more eggs apiece. No trick to that, says Alp, if housewives had been able to buy better eggs.

▲ ▲ ▲

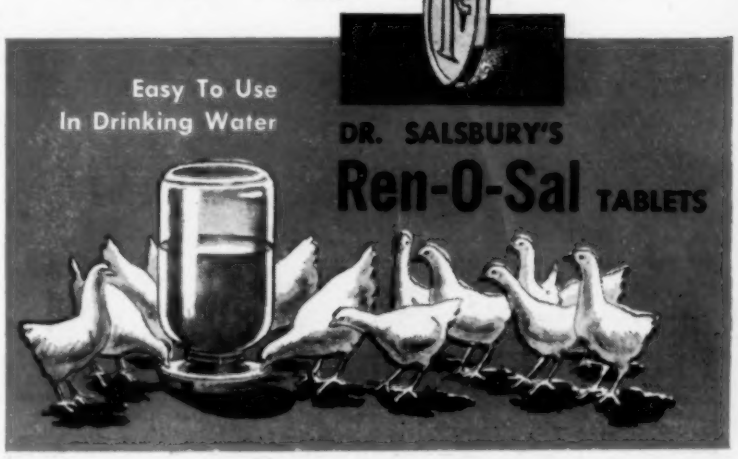
"THERE NEVER has been a true surplus of high-quality, graded eggs," says Alp. "And there is still a great unsatisfied consumer demand for this type of egg." So Alp thinks the poultry industry would be smart to do everything possible to produce quality eggs.

▲ ▲ ▲

BEST WAY for Iowans to get better prices for poultry meat is to sell cockerels at the right time, believes L. Z. Eggleton, of Iowa State College. Best market weight is two or two and one-half pounds for Leghorns, three to three and one-half pounds for general purpose breeds. That means selling cockerels when they are 10 to 13 weeks old.

Controls Coccidiosis...at low cost

Generally Costs Less Than 1¢ Per Bird



Helps Stop Costly Chick Loss
Prevents Spread of Cecal Coccidiosis

Has reduced losses for thousands of poultry raisers. Low in cost. Easy to give . . . just drop handy tablets in drinking water. Tablets dissolve quickly. Use at the first signs of an outbreak.

Start Your Chicks On Ren-O-Sal For 14 Days Earlier Egg Profits

For earlier egg profits, give your chicks Ren-O-Sal right from the start. Helps chicks grow faster and lay earlier . . . when prices are higher. Results are test-proved using customary feeds. For low cost coccidiosis control and earlier egg profits, buy Dr. Salsbury's Ren-O-Sal, today. See your hatchery, drug or feed store, now.

When you need poultry medicines, ask for

DR. SALSBURY'S LABORATORIES
Charles City, Iowa

Dr. SALSBURY'S

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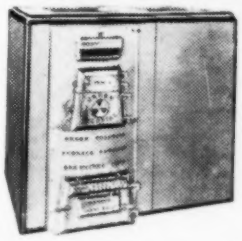
COLONIAL

First Choice of Farm Families

CLEAN HEAT-COMFORT-LESS FUEL COST



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See your Local Colonial Dealer or write Green Colonial Furnace Co., 302 S. W. Third, Des Moines, Iowa

Write FOR INFORMATION ON COLONIAL COAL, OIL, GAS FURNACES, STOKERS, BLOWERS, OIL BURNERS

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Amazing profits with Hamilton Strain super-Broad Breasts. Growers report 18 pound hens, 28 pound toms at 5½ months. Make 1949 your banner year—raise these super broad breasts for extra profits. Also Wagon Wheel strain broad breasts, White Hollands and all other breeds. Poults available for immediate and future delivery. Write
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6 WEEKS OLD
Large White Leghorns

Catch up with the season. It's not too late to have layers this fall. We tell you just what they will cost delivered to you. Get this information today.
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Kill Brush in pasture fence rows roadsides with new WEEDONE Brush Killer 32

Contains the powerful 2,4,5-T and 2,4-D

The newest formula, by the originators of 2,4-D weed killers, kills Brambles (Raspberry, Blackberry, etc.), certain species of Oaks, as well as Osage Orange, Wild Rose, Poison Ivy, Poison Oak, and many other woody plants.

Clear brush from pasture and get a permanent stand of grass. Clear fence rows of brush that robs nearby crops of moisture and nutrients while giving shelter to harmful insects. Spray tree stumps to stop all regrowth.

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- Concentrated for easy storing and handling.
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- Does not kill grass.

FOR WEEDS IN CROPS USE

Weedone Concentrate 48. The original ethyl *ester* formulation with *3 lbs. 2,4-D* per gallon.

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Consult your dealer, or write to us for Brush Killer Bulletin

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Successfully Used on Millions of Acres Throughout the World

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WEED CUTTING . . For easy trimming under fence rows . around the barnyard . . . in the orchard . . MOZ-ALL can't be beat! Powerful gas engine does the work. Hi-speed steel blade cuts shoots, scrubs and all types of undergrowth. You pick the weed patch. MOZ-ALL does the work.

LAWN-MOWING . . . MOZ-ALL whisks thru heaviest grass. Trims, right up to shrubs, walls, gutters. Gives, smooth, even cut over the roughest ground. It's fun to keep your lawn beautiful with MOZ-ALL!

MOZ-ALL 3 different sizes. Mows everything from finest lawns to thickest weeds. Priced as low as $119.

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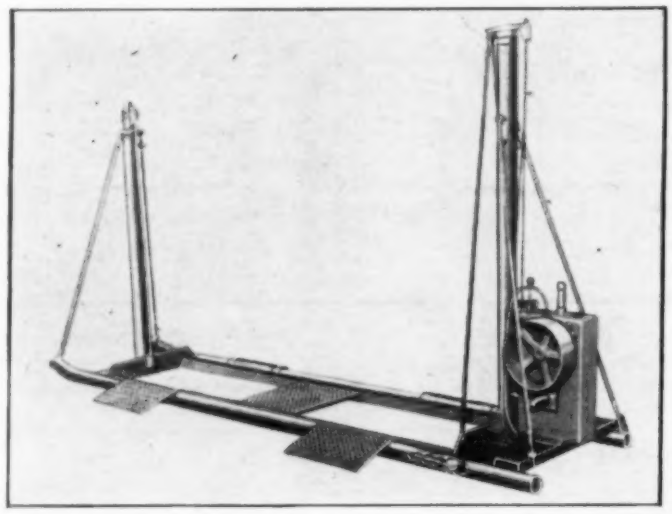
The modern "Rapiddiger" for Ford, Ferguson Tractors. No gears, drive shaft. Revolutionary invention. Write for literature. MODERN INVENTIONS, 2438 11th Ave. So., Minneapolis 7, Minnesota.

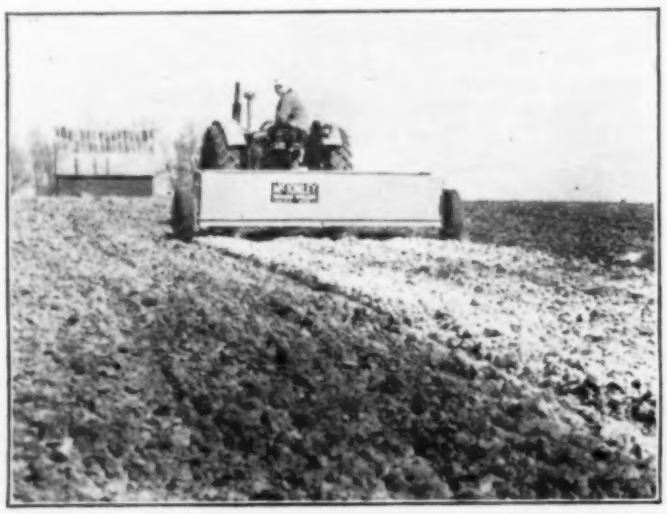
What's New?



This Hoist is operated by hydraulic power. It will fit truck, wagon or car up to 6,000 pounds. Operates by tractor power belt, power take-off, electric motor or gas engine. The pump and speed jack are encased within the oil supply tank. Manufactured by the Energy Farm Equipment Company.

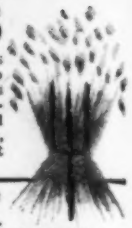
Adjustable ironing board permits you to sit or stand while you are ironing. Or you can set the top at any point between 26 and 36 inches, to give you the most suitable height for your work. Finger-tip adjustment, can be changed in a moment's time. Made by Yeoman Corporation.

Revolving brush is turned by water pressure. Just attach the hose and wash windows of your car. This brush is claimed to work with both high and low pressure. Ends water-carrying and rubbing or wiping off your car. Swirl-O-Matic is a product of Melaire Distributing Company.



One Straight Side is claimed to prevent clogging in this fertilizer spreader box. The other side is slanted to make the material flow to the openings. This kind of hopper is said to prevent wedging and fertilizer flows to the shaker without the aid of agitators. Shaker bars are controlled by three adjusting bolts, one at each end and one at center of hopper. Shaker bar operates on five-point cams located in rim of the 600 by 16 drop-center wheels. Made by McKinley Manufacturing Co.

Preserve HAY GRAIN CORN with TESTED AND PROVED **PT-X5**



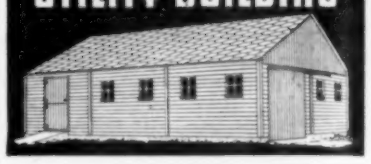
Agricultural chemistry's latest contribution to better farming. PT-X5 is compounded to help retain higher protein and carotene content in hay, reduce heating in moist grain, corn.

Reduces fire hazard! Makes possible faster better haying. Improves food value of hay, grain.

Ask any elevator operator, dealer or Write DEPT. WF-2 (Dealer Inquiries Invited)

Allyn-Ayar Co. LINCOLN, NEBR. USA

WALNUT UTILITY BUILDING



New...Many Uses...Low Cost

This building, 24x36 ft. (or longer) is ideal for poultry or hogs, implement or feed storage, barn, garage, etc. Doors and windows may be arranged in 12-foot wall panels to suit your needs. Sections pre-fabricated in factory; drop-siding is arched. Assemble yourself, quickly, easily, on your site. Exterior has priming coat of paint.

Buildings for Every Need

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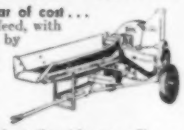
GBH-WAY HOMES, Inc., Walnut, Ill.

SAVE with the NEW Streamlined **GEHL**

ENSILAGE and HAY CUTTER



Get more value per dollar of cost . . . more value per acre from feed, with this new Gehl. Designed by experienced specialists in forage-cutting machinery. For years, thousands of Gehls have been BREAKING RECORDS for fast, clean cutting and easy running. Fills highest silo with ease. Chops hay and throws it into mow at hay-fork speed. Automatic measuring pump available for grass silage. Unbreakable flywheel, auto-type transmission, enclosed gears running in oil, ball bearings, and many other superior features. WRITE for booklet and name of nearest dealer.

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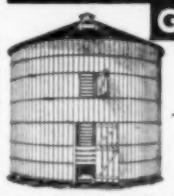

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Livestock News

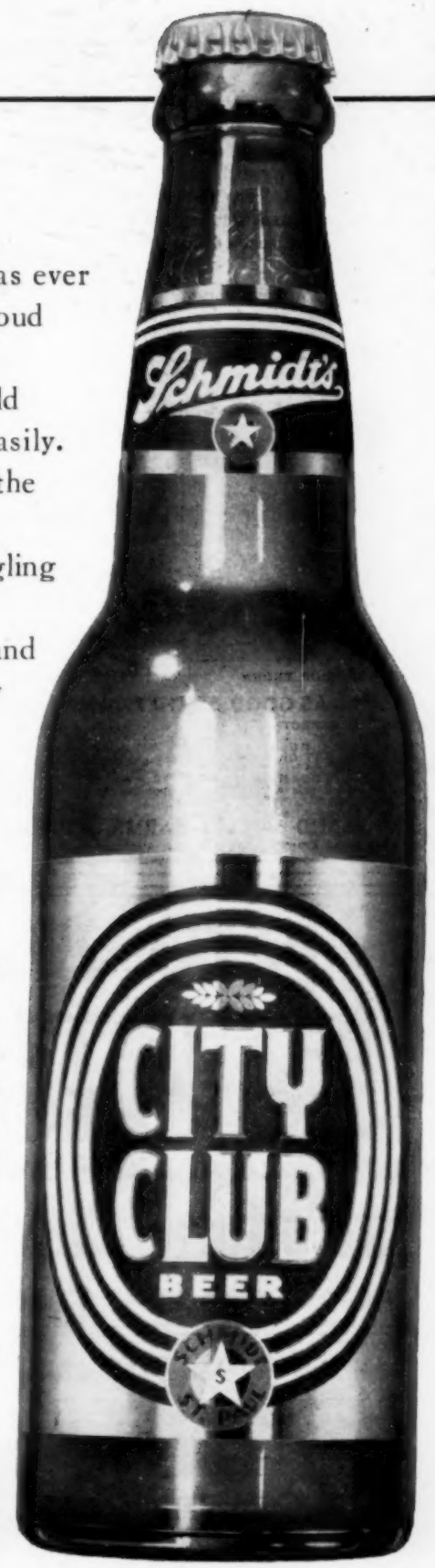
The Page County Aberdeen Angus sale, at Clarinda, Iowa, on April 27, drew a large crowd of buyers, and they furnished a lot of very excellent cattle for the occasion. They sold 21 head of bulls for $9,595, and they averaged $456 per head. Their top bull was Pagemere General J. F. 6th, owned by the Pagemere Angus Farms, of Clarinda, Iowa, and he went to Harold J. Simpkins, of Essex, Iowa, at $1,400. He was one of the best bulls that has ever been sold by this association. No. 17 went to J. S. Edwards, Winterset, Iowa, at $700, and No. 10 to Ralph Mills, Winterset, Iowa, at $685. Paul J. Williams, Villisca, Iowa, took No. 1 at $430, and Thomas Harris, New Market, Iowa, took No. 7 at $455. No. 11 went to Lawrence Callahan, Northboro, Iowa, at $400; No. 12 to Dalye Gabbert, Grant City, Mo., at $405, and No. 13 to John Hale, Clarinda, Iowa, at $400. J. S. Edwards, Winterset, Iowa, got No. 17 at $700, and No. 18 went to L. E. Bicroft, Corning, Iowa, at $400. The average on the 21 head of bulls was $456. The top female in the sale was Maid McKinney 41st, contributed to this sale by John D. Warin as a special attraction, and she went to O. H. Stevie & Son at $600. She was a beautiful heifer and in splendid condition. The Johnston Bros., Belton, Mo., took No. 22 at $440 and No. 35 at $550. Orville Moody, Auburn, Neb., took No. 46 at $520 and No. 47 at $300. Hal Catterson, Maryville, Mo., secured the Alvin Sunderman cow, No. 50, at $500. The Untoon Stock Farm, Winterset, Iowa, secured No. 51, the Miss Burgess cow, at $485. Other good buyers were Earl Smith, of Lenox, Iowa; Bert Randall, Unadilla, Neb.; Richard Talty, Corning, Iowa; Earl Brown, Conway, Iowa; H. L. Cornelion, Mount Ayr, Iowa; Lawrence Callahan, Northboro, Iowa; Joe Bentley, Hamburg, Iowa; Ray and Laud Bond, Winterset, Iowa; Marion Hutchinson, Denison, Iowa, and D. L. Townsend, Clearmont, Mo.

The Southwest Iowa Shorthorn Breeders Association held their annual sale and show at Red Oak, Iowa, on April 4, with one of the largest gatherings they have ever had. They sold 30 head of bulls at an average of $365, and 30 cows and heifers at an average of $253. The champion bull of the sale was No. 40, shown by Will A. Davis & Son, and he went to Paul Nicoll, Hancock, Iowa, at $435. The reserve champion bull was No. 7, shown by Arion D. Christenson, Kirkman, Iowa, and he went to J. E. Osborn, Walnut, Iowa, at $550. The champion cow was No. 68, from the McCone Brothers herd, and she went to Robert Taft at $585. Among the top selling bulls in the sale were: No. 2, from the Glenn A. Windom herd, and he went to Hall Bros., Alliance, Neb., at $460. No. 3, also to Hall Bros., at $400; No. 5, at $450; No. 6, at $380; No. 25, from the Phillip Funke herd, to David Allen, Mt. Ayr, Iowa, at $400. The top of the McCone offering was Gypsy Maid 32d, and she went to Robert Taft, Auburn, Iowa, at $585. She was the champion cow in the show. Some of the cattle in the sale were quite young; nevertheless lots of them were splendid animals. The sale was under the management of Roy A. Gilman, who did a good job, with Merve Aegerter and Clem Larson representing the association in the ring. Col. J. E. Halsey did all the selling.

The Iowa State Guernsey Breeders sale, Des Moines, Iowa, April 29, under the able direction of C. H. Jennings, sale manager, was successful. The top bull, Langwater Catamount, a Langwater entry, sold for $2,700 to H. W. Sawin, of Northwood, Iowa. McDonald Farms Fore Nimrod, from McDonald Farms, went for $810 to Roy and Robert Crawford, Jesup, Iowa. The two bulls averaged $1,755. They sold 13 heifer calves, mostly September, October and November calves, with Lot 54, St. Albans A. V. Boy's G. V. Gee, selling for $400 to R. S. Kilpatrick, Des Moines, Iowa. The 13 heifers averaged $320 each. There were five junior yearlings, which averaged $336 each, with the top being Lot 23, Rosebud Farm Token, from the Alvin W. Hitz & Son farm, Polk City, Iowa, selling at $440 to R. S. Kilpatrick. The 25 cows and heifers averaged $395, with Highland Place Marietta, from the Joseph Golinvaux herd, at Waterloo, Iowa, selling for $800 to R. S. Kilpatrick. The 45 lots, including the calves, averaged $353.50 each.

The Hereford sale of Clifford Bell, Jr., at Bloomfield, Iowa, April 4, was well attended. The cattle sold in just good breeding condition, and many of the heifers were carrying the service of the Bell herd bull, WHR Resolute 55th, who had a number of young calves on the ground that stamped this bull as a breeding bull of merit. Ralph Paintin, of Monmouth, Ill., paid the top price of the day for the coming two-year-old heifer by WHR Royal Tredway 4th, carrying the service of the Bell herd sire. Atha Hereford Farm, Lees Summit, Mo., gave $695 for another coming two-year-old bred to this bull. Wm. R. McClure, Agency, Iowa, paid $445 for the coming two-year-old bull, Bell's Rupert K. 35th. The 20 bulls averaged $294, with the 54 females averaging $307, making a general average of $304 on the 74 lots. Fred Chandler was the auctioneer.

*The finest beer we've ever brewed** gets a NEW DRESS



YES, it's the finest beer Schmidt's has ever brewed and everyone at Schmidt's is proud of it. So proud that this better beer has been honored with a distinctive new gold foil label...to help you recognize it easily. Open a bottle...fill your glass. Watch the tiny bubbles. Admire the creamy head. Taste it! Slowly. You'll sense a cool tingling mellowness. That's what we mean by MELLOW-DRY. Cools your throat and tastes good all the way down. You'll say it's the finest beer you've ever tasted.

BREWED TO YOUR TASTE

If you are one of the many thousands who has enjoyed CITY CLUB in the past, you will enjoy it more than ever now. It's the product of nearly 70 years of brewing skill, coupled with advances in brewing technology. Combining to give you CITY CLUB's delicious mellow-dry flavor are: quality-tested ingredients, including the choicest of imported and domestic hops; then an unhurried brewing process, control-checked at every step; and slow-aging before bottling. Order often this finer, brewed-to-your-taste CITY CLUB.

*"In all our years of producing fine beer, never have we brewed so fine and satisfying a beer as you will find bottled under the new City Club label."
OTTO BREMER, *President*

That's
CITY CLUB BEER

BREWED MELLOW-DRY BY Schmidt's

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Advertisement

From where I sit ... *by* Joe Marsh

Whitey Stops An Epidemic

Whitey Fisher ran into real trouble with his baby chicks a couple of weeks ago. "Bunch of them had colds," he told me. "Started running around like crazy and going into convulsions."

Luckily Whitey's a wide-awake boy. Without wasting any time, he isolated the funny-acting chicks, and sent a couple of them to the State Veterinarian for a check-up. Turned out they had Newcastle Disease. But—because Whitey was on the ball—the rest of the flock was saved.

It pays to keep your eyes open, and then act fast whenever you see something that isn't right. Reminds me of all the precautions tavern owners are taking these days, to make sure their places stay clean, bright and free from trouble at all times.

Because from where I sit, no matter what business you're in, it's best to keep a sharp lookout—make sure things are always up to snuff. That way you know your investment will "stay healthy."

Joe Marsh

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IMP. KUBAN OF THORN

HOPLEY FARMS

ANGUS SALE

at farm, southwest of

ATLANTIC, IOWA, MONDAY, JUNE 13, 1949

10 Great Bulls, 60 Choice Females

FOR ANGUS—AS GOOD AS THEY COME—COME TO HOPLEY'S

HERD BULL PROSPECTS—The type to modernize your herd with the blood lines that are winning the major shows. 10 great prospects, including Imp. **PRINKTON OF KINERMONY.** Others are sired by Imp. **KUBAN OF THORN, MULBEN PROVISOR** and **RAONA's BURGESS ESTON 7th. FOUNDATION FEMALES**—The modern type to add to your present herd or a modern foundation on which to build. 30 top bred heifers, including five imported heifers, bred to the $5,000 Imp. **KUBAN OF THORN.** 30 great open heifers including some of our show string. Plan to attend this sale. Write at once for the **FREE** catalog. Kindly mention this publication. Address

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HOW IS YOUR SPRAY EQUIPMENT ?

Livestock News

The Aberdeen Angus sale of John D. and Mary Warin, at Maloy, Iowa, April 28, proved to be one of the most attractive sales of the season and drew one of the largest sales of the year. It seemed they were there from everywhere. The day was perfect and the crowd came early. The morning was spent going over the cattle and making selections, and when noon-time came they were all ready to go. The top price of the sale was paid for Miss Burgess of Glyn Mawr 99th, a double-bred Maid of Bummers heifer, beautifully bred and a grand individual, and she went to Penney & James, Missouri, at $3,000. This firm was the strongest buyer in the sale. Following is a list of sales. Bulls—No. 1, Maloy & Garner, Maloy, Iowa, $500; No. 2, L. R. Vogt, Bedford, Iowa, $300; No. 3, Clyde Collyer, Ellston, Iowa, $350; No. 4, C. B. Neel & Son, Mason City, Iowa, $500; No. 5, Wilbur Lynch, Maloy, Iowa, $400; No. 6, Lester James, Cromwell, Iowa, $225; No. 7, Herman Roberts, Conway, Iowa, $240; No. 8, Earl Huellinger & Son, Leon, Iowa; No. 9, Harlan Armstrong, Diagonal, Iowa, $225; No. 10, Richard Tatty, Corning, Iowa, $500. Females—No. 11, Leon Lake, Orient, Iowa, $510; No. 2, L. R. Bogh, Bedford, Iowa, $390; 13, Elmore & Son, Cainsville, Mo., $395; No. 14, Hal Hooker, Marysville, Mo., $410; No. 15, Leo Archer, Conception, Mo., $600; No. 16, Hale Thompson, Hatfield, Mo., $700; 17, Penney & James, $1,300; 18, Tom Jones, Tuckerman, Ark., $1,600; 19, Silver Top Farms, Belton, Mo., $600; 20, Elmore & Son, Kirksville, Mo., $375; 21, Penney & James, $1,255; 22, Penney & James, $2,000; 23, E. L. Osborn, Bedford, Iowa, $525; 24, Penney & James, $3,000; 26, Penney & James, $475; 27, Roy Gilton, Blockton, Iowa, $325; 28, Al Catterson, Maryville, Mo., $500; 29, J. F. McKinney, $485; 30, Jess Thurman, Omaha, Neb., $425; 31, F. Stein, Blockton, Iowa, $410; 32, Jess Thurman, $480; 33, Glen Brown, Conway, Iowa, $510; 34, Wilbur Lynch, $310; 35, Iver and J. B. Shipley, Grant City, Iowa, $510; 36, Mile Away Farms, Clarinda, Iowa, $525; 38, Harkens Farms, Osceola, Iowa, $625; 39, Penney & James, $1,300; 40, Penney & James, $725; 41, Cloverly Stock Farm, Maloy, Iowa, $460; 43, Shadow Iowa Farm, Red Bank, N. J., $950; 44, Roy Brown, Blockton, Iowa, $390; 45, Penney & James, $1,625; 46, Elmore & Son, Cainesville, Mo., $350; 47, Elmore & Son, $335; 47, Wilbur Lynch, $400; 48, Robert Shay, Maloy, Iowa, $400; 49, Robert Shay, $400; 50, Robert Shay, $400.

The tenth annual spring sale of the Northeast Missouri Hereford Association, Memphis, Mo., April 15, under the able direction of Geo. E. Leslie, Jr., secretary, followed the severe snow storm, which no doubt cut off some buying power from Iowa territory. The top bull, Advance B. Domino 4th, a three-year-old consigned by Norris E. Gaffney, sold for $490 to L. B. Biehl, Queen City, Mo. Super Lad 7th, by Super Baron Domino, consigned by S. Burns & Son, Pulaski, Iowa, was second top bull at $450, going to H. W. Roberts, Lancaster, Mo. Advance G. Domino 4th, a son of the top bull, sold for $420 to Chas. Brown, Olin, Iowa. The top female was BHR Miss Mischief 5th, consigned by Chas. Miller, and sold for $500 to E. H. Hammant, Mt. Sterling, Ill. Pioneer Lass 14th, from the same herd, sold for $400 to Kamar Farm, Mt. Sterling, Ill. The 32 bulls averaged $281, with 31 females at $285 each, and the 63 lots sold for $17,840, a general average of $283. Cattle went to buyers in Iowa, Missouri and Illinois.

Polled Group To Meet

"No Horns On Cattle" will be the theme of the National Polled Cattle Promotion Club's annual meeting at Hotel Russell-Lamson, in Waterloo, Iowa, June 6 and 7.

Purpose of the organization is to promote the breeding of cattle without horns. Its membership includes breeders in 21 states and these eight breeds: Polled Shorthorns, Polled Herefords, Angus, Polled Holsteins, Polled Ayrshires, Polled Milking Shorthorns, Polled Jerseys, Red Polls.

Officers of the club include: President Walter Schultz, Nicollet, Minn.; Vice-President Lucien Anderson, Hendersonville, Tenn.; Secretary-Treasurer Cap Miller, Fargo, N. D.

Jersey Auction

At farm, 1 mile south and 2 miles west of

JESUP, IOWA, MONDAY, JUNE 13th

12:30 P. M.

40 REGISTERED JERSEYS

20 Cows . . . many fresh cows . . . mostly young, producing up to 2½ lbs. fat per day. Rich in **BRAMPTON** breeding in Canada. 15 heifers . . . bred heifers. Yearlings and Calves from tested and Classified Dams. 5 young bulls, including 2 serviceable age, sons of **BRAMPTON WORLD'S RECORD**—Canadian Superior sire. All Calfhood Vaccinated. **T.B.** and **Bangs** tested.

CAMPBELL-YOUNG JERSEY FARM
JESUP, IOWA

Ivan N. Gates, Sale Mgr., West Liberty, Iowa

FEED BOW-KEY FEED
DES MOINES . . . . . IOWA.

DAISY Cattle Markers

COMPLETE WITH CHAIN. Brass tag for HORNS and neck. Write for folder.

GOLDEN ARROW FARMS
Dept. 25 Huntington, Ind.

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Now ready to book your dates. Write me.

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SHEEP

RENK'S SHEEP
PAY PROFITS
HAMPSHIRE and SHROPSHIRE Sheep Sale
MONDAY, JUNE 20th

3rd Annual Sale, good quality, excellent breeding. Ask for **FREE** catalog.

W. F. RENK & SONS
Sun Prairie, Wisconsin

SUFFOLKS & LINCOLN RAMS

Any age for sale. More mutton, more wool. Order now. Shipment made when wanted. Write or wire.
CRANDELL'S PRIZE STOCK FARMS
ITHACA, MICH.

Must disperse our flock of
REGISTERED KARAKULS
12 young ewes — 9 of them yearlings
11 large spring lambs — 1 yearling ram
O. R. DAYMUDE & SON VIOLA, ILL.

REGISTERED SUFFOLK SHEEP

Ram and Ewe Lambs . . . Ewes with lambs at side. Lambs sired by **BRIARDALE PRINCE 4 Z.** 1947, Iowa Grand Champion, who produced a **200%** lamb crop this year.
JOHN H. CARSTENS SMITHLAND, IOWA

Save Money, Buy Bonds

PAW TUCKER—"Paw's Worries Are Over When Th' Hay Is Down"

THE DITLEVSON

DISPERSAL

A COMPLETE DISPERSAL OF THE ROOSEVELT DITLEVSON HERD, ONE OF MINNESOTA'S OLDEST ESTABLISHED HERDS

65 REG. HOLSTEINS

25 cows with records
9 bred heifers
3 open yearlings
10 heifer calves
4 service age bulls
9 bull calves
1 herd sire, 5 years
1 herd sire, 1 year

20 YEARS IN DHIA

During the past year the herd has averaged from 370 to 410 lbs. fat under ordinary conditions.

POPULAR BREEDING

Strong Carnation breeding on an Ormsby foundation. Herd sire is **Carnation Governor Fancy**, whose 7 nearest dams average 956 lbs. fat. He is a son of the famous Governor of Carnation.

CALFHOOD VACCINATED

All but 5 of the older cows have been Calfhood Vaccinated.

FRIDAY, JUNE 10

1 P. M. at the Ditlevson Farm, 2 miles west of Blooming Prairie on Minn. 30, ½ mile north.

BLOOMING PRAIRIE, MINNESOTA

Liberal Terms: Minnesota Sales Co., Clerk

For Catalog Write
G. R. MELIN
4529 Bryant Av. S. Minneapolis, Minn.

Hereford Heifers

A strictly choice offering of registered heifers . . . from the finest foundation material available. All sell open . . . and are ready for immediate mating to your herd sire. These have been selected as an **Anniversary** offering . . . for 25 years of **constructive** breeding from one of Iowa's largest and finest herds. Act now.

CARL H. GOEKEN
Braemoor Place Atlantic, Iowa

DOGS

Notice—Unsatisfactory dogs must be returned within time specified by advertiser. Buyer always pays express charges (both ways if dog is returned) unless advertiser states in advertisement that he will do so.

WANTED
RED FOX PUPS, ADULTS
Any number, a good steady market.
FLOYD BOGENRIEF
WINNEBAGO - - - - MINNESOTA

GENUINE ENGLISH SHEPHERD PUPS
Guaranteed heelers. Year's trial, training instructions. Males, females or spayed females.
HIGHVIEW KENNELS, CEDAR FALLS, IOWA

BEST YET
ENGLISH SHEPHERD PUPS
Guaranteed to bring home the cows. Year's trial. Choice of sex. Spayed females a specialty. Priced right.
CLOVERDALE FARM ACKLEY, IOWA

Purebred Border Collies English Shepherds
America's most useful dogs. Puppies all ages. Both sexes. Choice colors. Faithful workers. Satisfaction guaranteed.
We breed and sell our own stock.
FAIRMOUNT FARMS - CEDAR FALLS, IOWA

SHEPHERDS, COLLIES
ENGLISH SHEPHERD, OR COLLIE PUPS for watch and stock. Also registered Scotch collies. Reasonable.
ZIMMERMAN FARMS FLANAGAN, ILL.

WANTED TO BUY
Good English Shepherd or Collie Pups
Write Box 1, Wallaces' Farmer and Iowa Homestead

Shomont Collies
Workers—Companions—Guards. Write for free lists.
SHOMONT FARMS AND KENNELS
MONTICELLO IOWA

GENUINE ENGLISH SHEPHERD AND COLLIE PUPS
Guaranteed heel-drivers (no fooling). Year's trial, training instructions. (50,000 satisfied customers.) Males, — females, — spayed females, $15.00. (Distemper vaccinated.)
EMIL RUNFT REINBECK, IOWA

ENGLISH SHEPHERDS
Natural-bob English Shepherds.
GUARANTEED, BEST OF BREEDING.
Pictures on request.
WALLACE A. WINEGAR BRANDON, IOWA

RAT TERRIERS, ready to work, M. or F., $15.00. Airedales and collie crossbred pups, good farm dogs. Males $7.50. Females $5.00. Registered collies. Females $25.00. Registered Cockers. Ready for fall breeding. M. $20.00, F. $15.00.
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CHINCHILLAS

RAISE CHINCHILLAS
In your basement and increase your income. Write for free literature. $1,200 per pair.
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Buy Bonds

Livestock News

The fifth annual Southeastern Iowa Polled Hereford Breeders show and sale, at Oskaloosa, Iowa, April 13, was held on a beautiful day. Roy Van Heukelom, secretary, and Calvin Cruzen, president, worked hard to make the event successful, and their efforts are deserving of commendation. Judge J. C. Holbert, of Washington, Iowa, made the awards in a capable manner. The grand champion bull was L. V. Victor Domino 4th, shown by H. N. P. Small & Son, Letts, Iowa. He is a son of M. P. Domino 88th, and was bought on order by Clyde Turkington for W. A. DePuy, Livingston, Mont., for $1,455. The reserve champion bull, Battle Lettston 2d, a June calf shown by Star Grove Stock Farm, owned by H. L. Schooley, West Liberty, Iowa, and a son of Battle Piscation, out of a Lettston Lad 16th dam, sold for $600 to C. F. Hoaglin, of Hillsboro, Iowa. Baftle Mixer 22d, from the P. M. Christianson & Son farm, Lone Rock, Iowa, a son of Battle Mixer, was the favorite of many, and sold for the second top, at $1,380, to Hugh O. Smith, Stronghurst, Ill. CC's Buster Bullion 59th, shown by Calvin Cruzen, New Sharon, Iowa, and a son of Buster Bullion Jr., sold for $620 to F. L. Martin, Cedar Rapids, Iowa. Advanced Anxiety Domino 2d, a son of Advanced Anxiety Domino, from the famous N. M. Leonard farm, Waukee, Iowa, was the third top selling bull at $820, and went to Fred Wright, Grimes, Iowa. Comprest Lad 7th, by TH Comprest 23d, out of a WHR Model Domino dam, and consigned by the Westhaven Place, owned by Westcott Bros., Denison, Iowa, sold for $775, and went to C. F. Hoaglin, Hillsboro, Iowa. The grand championship and reserve championship on females were both won by Wm. Van Heukelom, Leighton, Iowa. Choice Domino, a daughter of Captain, sold for $700 to Thos. W. Lewis, Sperry, Iowa, and Marie, reserve champion, by the same sire, sold for $560 to Hornlea Farm, of Macomb, Ill. The 56 bulls averaged $431, with 24 females at $352 each, and the 80 lots sold for $32,185, a general average of $402. This is the highest average these breeders have ever made, and the top two bulls were the two highest-priced bulls sold in any of their annual sales—making two new records. Cattle went to buyers in seven states, distributed as follows: Iowa 69, Illinois 5, Nebraska 2, and one each to Missouri, South Dakota, North Dakota and Montana. Auctioneer, Guy Pettit.

The Iowa Poland China spring show and sale, at Hawkeye Downs, Cedar Rapids, Iowa, Saturday, April 9, under the able management of Fred W. Morgan, secretary, was most successful. Awards were made by Wilbur Plager, secretary of the Iowa Swine Producers Association. The top boar was Lot 31, consigned by Floyd Friedow & Sons, Kanawha, Iowa, and sold for $280 to Howard Lenker & Son, Wilton Junction, Iowa. Lot 15, shown by C. N. Friday, Leon, Iowa, sold for $225 to Helgens Bros., of Monticello, Iowa. Lot 9, shown by J. D. Dodder, Letts, Iowa, went at $225 to J. J. Wheat, Martin, Tenn. Lot 10, his litter-mate, brought $225, and was secured by Glenn E. Wood, Star City, Ind. Lot 7, shown by Pennningroth Bros., Wellman, Iowa, went to Harold Wheater, Marshalltown, Iowa at $175. Lot 27, an entry from W. C. Anderson & Son, West Liberty, Iowa, sold for $105 to Clifford Idle & Son, of Lone Tree, Iowa. Lot 37, shown by Eugene Dugan & Son, Storm Lake, Iowa, went at $105 to Otto Renken, Parkersburg, Iowa. Lot 2, shown by Brown & Brown, Hampton, Iowa, was purchased by J. D. Donahoe, Tipton, Iowa, at $100. The top gilt was Lot 44, shown by Emmert Bros., Mason City, Iowa, and sold for $185 to Willard Stewart, of Preston, Iowa. Lot 42, a Wengert Bros. entry, sold for $112.50 to Oscar Anderson, of Leland, Ill. Lot 32 went to Oscar Anderson at $110. Lot 36, a Eugene Dugan entry, sold for $105 to Herman H. Oelerich, Davenport, Iowa. Lot 34, a Helgens Bros. entry, sold for $100 to G. D. Jackson, Earlham, Iowa.

The Southern Iowa Aberdeen Angus Association held their sixth annual sale at the farm of Dr. C. R. Harken, Osceola, Iowa, on April 26, with a large gathering of breeders and farmers, and they made one of the best sales of the year. They sold 36 bulls for $15,010, or an average of $417 per head. They had a lot of good bulls and some were very excellent, and were bred in the purple. The top bull was No. 2 of the catalog, Revolution B. A. S. 17th, a two-year-old, and consigned by Bell & Son, Osceola, Iowa. He went to G. E. Swartz & Son, Lenox, Iowa, at $1,000. Betsy's Laddy Boy, consigned by Hollie R. Lewis, Cambria, Iowa, went to Neal Bane, Winterset, Iowa, at $700. Cedar's Lad L., consigned by the Luce Angus Co., Osceola, Iowa, went to Will Huegelman, Wayne, Neb., at $810. No. 37, Revolution H. 45th, consigned by C. H. Thompson, Hatfield, Mo., went to Greenemier Stock Farm, Oaklawn, Ind., at $875, and several brought from $500 to $600 each. The females were nearly all young heifers, and 40 head of them were sold at an average of $240. The top heifer was Miss Proud Eraman of Harken Farms, and she went to Merchon Farms, Creston, Iowa, at $580, and the same firm took No. 49 at $530. It was one of those nice sales, with a good demand for everything. Cols. Roy G. Johnston and Ray Sims did the selling.

A COMPLETE DISPERSION

Polled Hereford Cattle

To settle the estate of the late C. M. Henry Ohrt

In Marshalltown Livestock Auction, located east edge of City on South 18th Avenue

Marshalltown, Iowa, Monday, June 27

Starting at 1:00 P. M. — Good Cafe at Pavilion

55 HEAD — 13 BULLS, 42 FEMALES

One of the long-established herds of **Polled Herefords** will be sold in its entirety. A well-bred lot of productive cattle, selling in good, thrifty breeding condition. 29 grand breeding females with calves at side . . . every female of breeding age due to calve before sale day. 13 attractive open heifers, sired by the herd sires. The 13 bulls include three choice herd sires, Senior herd bull, **PRINCE DOMINO** by Meadow Domino 19th, a direct descendant of Prince Domino 115th; Junior herd bull, **POLLED BLANCHARD**, bred by McCreary's, a son of Woods Domino 2d, he by Plato Domino 1st. Breeding that will please. Females carry their service. 10 good, rugged yearling bulls ready for service. You can secure your bull in this auction. The blood lines in this offering will please critical cattlemen, such sires as **MODERN MISCHIEF, DEFENDER MISCHIEF, ADVANCE KING DOMINO, PRINCE DOMINO 41st, STANWAY DOMINO** and other great sires are well represented.

Remember, a **DISPERSION SALE** always offers bargains; this is no exception. Plan now to attend. Ask for **FREE** catalog. Kindly mention this publication. Address

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C. M. HENRY OHRT, Estate, GARWIN, IOWA
Auctioneers, Clair Mason & Son J. E. Halsey, Fieldman

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The "SALE OF SATISFIED BUYERS"
Is Your BEST OPPORTUNITY to Buy
"Shorthorn Cattle for Your Needs at—
—Prices Correct for Your Purse"

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Friday, June 17th

A Dependable Source of Supply
Select From

75 Money-Making Shorthorns

30 Impressive Herd Bulls — 45 Choice Females

Over $650,000 in Shorthorns have been sold in these auctions, a record made possible only by the class of cattle offered, year after year. Get your bull in this sale or select some profit-making females. More than 1,000 different buyers have patronized Abingdon Sales to their utmost satisfaction.

The season of cheap feed is at hand . . . buy dependable, richly-bred Shorthorns in June, turn out to grass, bring in next fall with a dividend at foot. None of the cattle have been pampered, offered in breeding form. The sale is packed with good bulls . . . cows with calves, others to calve and many bred and open heifers. Plan to attend. Write today for the **FREE** catalog. Please mention this publication. Address

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Auctioneer, J. E. Halsey

SOUTH CENTRAL **IOWA ANGUS ASSOCIATION**

At Southern Iowa Fair Grounds

Oskaloosa, Iowa, Tuesday, June 14th

SHOW—9:00 A. M. SALE—12:30 P. M.

JUDGE: Otto Nobis, Davenport, Iowa

80 HEAD — 24 YOUNG BULLS, 56 CHOICE FEMALES

This is a splendid offering . . . choice individuals . . . rich in pedigree. Bulls most all ready for service and include herd bull prospects. The females, cows with calves, bred females, well forward in calf to great herd sires, and attractive open heifers. The families are **MISS BURGESS, BLACKCAP, BARBARA, ERICAS, ELSAS, BLACKBIRDS**, and other popular tribes. All cattle **T.B.** and **BANGS** tested. Ask for **FREE** catalog. Please mention this publication. Address

CLYDE A. HANNA, Secy., OSKALOOSA, IOWA
Auctioneer, Roy Johnston J. E. Halsey, Fieldman

IOWA'S LEADING SHORTHORN BREEDERS

CORRIMONY EMPEROR (Imp.). Note massive head. Modern type and style.

Our Herd Bull . . .

CORRIMONY EMPEROR, (Imp.)

We purchased a new bull calf, **Killearn Conquest 28th** 303185 by Millhills Conquest, Perth winner. Dam by Norseman, Perth Reserve Champion. Good young bulls and females offered.

Helfred Farm, Rt. 6, Des Moines, Iowa
F. W. Hubbell, Owner. Chas. Garden, Mgr.

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(3½ mi. S. E. and ½ mi. S. on Rock) Oskaloosa, Iowa
Offering blocky red yearling sons of **HELFRED BAMPTON MAJOR** (pictured), and a few females by him. Our Junior Sire, **RINGWELL SOUVENIR**, 1949 Illinois grand champion. Visitors always welcome at **BRAYWOOD**

THOS. J. BRAY **OSKALOOSA, IOWA**

EDELLYN ROYAL LEADER 31st

Choice thick bulls, serviceable age by

EDELLYN ROYAL LEADER 31st

Also some excellent heifers and breeding cows. Our large herd affords wide selection.

CHRIS M. GERST **ALTON, IOWA**

KELBURN SATISFACTION

Herd 200 Head
Herd Bulls
KELBURN SATISFACTION by Mount Banker, Imp.
CLAYMORE GOLDSTOCK by Morlunda Prince Peer
GOLDFINDER COMMAND and **KLAYMOR GOVERNOR**
Visitors welcome.
W. P. LORENZEN
Box 904, Pilot Mound, Ia.
Bevita Stock Farms

BREAMOR STARRY ARCHER 9th

By **MILLHILL STARRY ARCHER** (Imp.), sire of champions, heads our herd. Now offering two splendid young Shorthorn bulls for sale. Choice individuals and good pedigrees. Pleased to show you what we have any time. Call and see us. Address

Lloyd H. Davis & Son **Oakland, Iowa**

CHOICELY BRED

SHORTHORN BULLS

We are now offering 5 head of October and November Shorthorn bulls for sale. Red in color, sired by Ideal Ramsden, and out of Augusta and Orange Blossom cows. These are ready for immediate use. Also some very choice Shorthorn cows and heifers. Write or come and see them. Address

BOCHMAN BROS. **HOLSTEIN, IOWA**

NEED A

SHORTHORN BULL?

We have a large number to select from. Bulls you will like at prices you will like. Always cordial and friendly treatment.

DEWAR BROS. **CHEROKEE, IOWA**

VOLGAVALE SHORTHORNS

8 choice red and roan yearling bulls by **REGAL GLOSTER** and **HELFRED HEADLIGHT**. Rosewood, Augusta, Lavender and Duchess of Gloster families. Reasonable. Farm 1 mi. west (Clayton Co.)
H. E. "TED" WHITFORD & SONS. Volga, Iowa

PRINCE PETER

Sioux Empire champion is siring us some grand calves. Good young Shorthorn bulls and choice heifers reasonably priced. Write or visit farm.
RALPH HELLINGA HARRIS, IOWA

Don Hill Royal Leader 9th

has an outstanding crop of calves on the farm from our good cow herd. Bulls of serviceable age. See us for quality Shorthorns.
R. W. WALKER & SONS PAULLINA, IOWA

SANDOON CAPTIVATOR

Heading one of the outstanding herds of broodcows in the Midwest. Young bulls and females offered at reasonable prices.
MARTIN LUINSTRA HARRIS, IOWA

SHORTHORN BULLS

A good selection of young bulls by **GOLDFINDER'S MONARCH**. Also some choice heifers of excellent type. Reasonable. Write or visit farm, 1 mile east and 1½ miles north.
FRANK ADAMS & SON HARTLEY, IOWA

HILL BROOK FARM

SHORTHORN BULLS

Serviceable age, second to none, for size, quality, or breeding, priced to sell. Also a few Polled calves.
OTTO F. SCHRUNK & SONS MAPLETON, IA.

GOOD YOUNG BULLS

Choice red Shorthorn bulls 16 to 18 months old by **WILL-A-DELL GOLD PLATE**, a son of Gold Nugget, and **ICENI COMMODORE** (Imp.) by Calrossie Randolph. Reasonable.
H. K. OWENS HOMESTEAD, IOWA

HOLZ BROS. SHORTHORNS

Home of **"THE GOLDFINDERS"**
KILLEARN MONARCH 29th, herd sire. Herd won **1st** at **Denver** and **Fort Worth**. Choice young bulls now offered. Farms at
RIPPEY, IOWA and GRAND JUNCTION, IOWA

TELL THE

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that you are writing him through his advertisement in WALLACES' FARMER AND IOWA HOMESTEAD.

Real Quality

GOLD BAR MAX 1st at Iowa

A small, select herd headed by outstanding bull (illustrated here), by the $5,000 Gold Bar Revenue, a son of Killearn Max 5th Perth winner. Young stock offered. Reasonable.

C. L. REES & SONS **PLEASANTVILLE, IOWA**

PRINCE WILLIAM (Imp.)

Improve your herd with sons and daughters of

PRINCE WILLIAM (Imp.) and **NAEMOOR MONITOR** (Imp.)

producing meritorious Shorthorns. Stock for sale.

BEN G. STUDER **WESLEY, IOWA**

SCOTCH SHORTHORNS

Of the choicest families. Herd headed by **MORLUNDA PRINCE PETER**, son of Imp. **CALROSSIE PRINCE PETER**. Dam top selling female in 1940. Visitors always welcome.
H. B. LEITING ARCADIA, IOWA

POLLED SHORTHORNS

Polled SHORTHORN BULLS

Choice reds and roans sired by **VICTOR CREED** X2343041. Good Scotch topped Dams.
REASONABLE
A. L. DUNHAM & SON DUNLAP, IOWA

POLLED SHORTHORN BULLS

Choice bulls, serviceable age. **LAUGHLIN** and **THIEMAN** blood lines. Also my herd bull, a real one, son of an Omaha grand champion. Priced Reasonable.
L. R. VAN VELSAN, R. 3, CRESTON, IOWA

POLLED SHORTHORN BULLS

Choice bulls ready for service, by **CHERRY HILL LANDMARK**, 1946 Congress Reserve Champion. Good colors, pleasing quality. Reasonable. Farm 8 miles north of Elkader.
J. C. WAHLS ST. OLAF, IOWA

POLLED SHORTHORN BULLS

6 choice yearling bulls. Also our 5-year-old dark roan herd sire, a son of **STARDALE**. A good yearling son and bull calves. Others by **CONSTELLATION COMMAND** ready for service. Reasonable. Phone 206.
PHILIP JOHNSTON & SONS, CASTANA, IOWA

YOUNG RED BULLS

Choice **Polled Shorthorn** bulls by **HIGHLAND ROBIN**, a son of Collynie Ensign, out of good cows. An old reliable herd. Reasonable.
S. R. HUDSON & SONS. KNOXVILLE, IOWA

POLLED SHORTHORN BULLS

Choice quality, rich breeding. Reasonable. Phone, wire, or write
BERT A. HANSON
VERNON CENTER MINNESOTA

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Coming Livestock Sales

ABERDEEN ANGUS

June 6—Glyn Mawr Farms (Dispersion), Olin, Iowa.
June 7—I. E. Kemp, Marion, Iowa.
June 8—Dispersion Sale, John Kimball, Kirkman, Iowa.
June 13—Wayland A. Hopley, Atlantic, Iowa.
June 14—South Central Assn., Oskaloosa, Iowa; Clyde A. Hanna, Secy., Oskaloosa, Iowa.
June 15—Central Illinois Breeders, Congerville, Ill.; S. E. Lantz, Secy.
Sept. 19—Central Iowa Breeders, Marshalltown, Iowa; Clair G. Mason, Secy.
Sept. 22—Leslie Oliver, Williamsburg, Iowa; J. B. McCurkle, Mgr., 3710 A. I. U. Bldg., Columbus, Ohio.
Sept. 26—Wisconsin State Sale, Lancaster, Wis.; J. F. Perrin, Secy., Bloomington, Wis.
Sept. 30—Northeast Missouri Breeders, Memphis, Mo.; W. R. Dierks, Secy.
Oct. 10—Interstate, Aberdeen Angus Assn. Sale, Sioux City, Iowa; P. K. Pratt, Secy. and Mgr., Walnut, Iowa.

HEREFORDS

June 6—Creston Hereford Breeders, Orient, Iowa; Lloyd H. Woods, Mgr., R. 2, Creston, Iowa.
June 7—Emmadine Farms, Inc., Breckenridge, Mo.; Donald J. Bowman, Sale Mgr., Hamilton, Mo.
Sept. 28—Wiese Bros., Donohoe, Iowa.
Sept. 28—L. C. Larsen & Sons, Hamlin, Iowa; sale at Audubon, Iowa.
Oct. 8—T. G. Murray, Oxford Jct., Iowa.
Oct. 11—Bianchi Hereford Ranch, Macon, Mo.
Oct. 26—Herndale Farms, Leland W. Herman, Wayne, Neb.

POLLED HEREFORDS

June 27—Dispersion, C. M. Henry Obrt Estate, Garwin, Iowa; sale at Marshalltown, Iowa; Martin Obrt, Sale Mgr., Garwin, Iowa.

SHORTHORNS

June 6—Edellyn Farm, Wilson, Ill.
June 17—Breeders Sale, Abingdon, Ill.; Hal Longley, Mgr., 16 S. Locust St., Aurora, Ill.
Sept. 26—Southwest Iowa Breeders, Red Oak, Iowa; M. D. Lomas, Secy.
Sept. 24—Minnesota State Sale, Marshall, Minn.; N. T. Findahl, Mgr., Waterville, Minn.
Sept. 27—Marshall County Breeders Assn., Marshalltown, Iowa; Geo. H. Lewis, R. 1, Mgr.
Sept. 30—Dispersion, Robert Wright, Carroll, Iowa; Merv. Aegerter, Mgr., Seward, Neb.
Oct. 1—Swanson Bros., Estherville, Iowa.
Oct. 3—Northwest Missouri Breeders, Rockport, Mo.; James Meyer, Mgr., Maryville, Mo.
Oct. 7—Breeders Sale, Abingdon, Ill.; Hal Longley, Mgr., 16 S. Locust St., Aurora, Ill.
Oct. 12—Fred Rothlisberger & Son, Elgin, Iowa; S. Davis & Son, Wadena, Iowa, and Ted Whitford & Son, Volga, Iowa.
Oct. 19—American Royal Sale, Kansas City, Mo.

POLLED SHORTHORNS

Oct. 4—Sioux Empire Show and Sale, Sioux Falls, S. D.; John F. White, Mgr.
Oct. 5—Iowa Polled Shorthorn Club, Inc., Show and Sale, Des Moines, Iowa; Earl S. Girton, Mgr., Box 282, Marshalltown, Iowa.
Oct. 6—Albert Hultine & Sons' 50th Anniversary Sale, Saronville, Neb.; sale at Lincoln, Neb.; Merv. F. Aegerter, Sale Mgr., Seward, Neb.

DAIRY CATTLE

June 10—(Holstein Dispersal) Roosevelt Ditleyson, Blooming Prairie, Minn.; G. R. Melin, Minneapolis, Minn., Sales Mgr.
June 13—Campbell-Young, Jesup, Iowa (Jerseys), Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
June 28—A. W. Barrett, Jersey Dispersal, Lamoni, Iowa; Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
Sept. 16—Iowa State Sale, Waterloo, Iowa (Jerseys), Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
Oct. 17—Iowa Holstein State Sale, Waterloo, Iowa; Dallas V. McGinnis, Secy., 912 Waterloo Bldg.
Oct. 21—Alfred Pieper (Holstein Dispersion), Stockton, Iowa; sale at Davenport, Iowa; A. W. Peterson, Sale Mgr., Oconomowoc, Wis.
Oct. 31 Nov. 1—Maytag Farms, Newton, Iowa; Dispersion Sale at Des Moines, Iowa; A. W. Peterson, Sale Mgr., Oconomowoc, Wis.

FEEDER CATTLE

Sept. 8—Oswald Strand & Sons, Manly, Iowa.

CHESTER WHITES

Oct. 5—Nick Torpstra & Sons, New Sharon, Iowa.
Oct. 14—R. A. Riemenschneider, Kingsley, Iowa.
Oct. 21—C. T. Keen & Sons, Legrand, Iowa.

SPOTTED POLAND CHINAS

Oct. 6—F. L. Jackson & Sons, Lytton, Iowa; sale at Lake City, Iowa.

SHEEP

June 20—W. F. Renk & Sons, Sun Prairie, Wis.
Aug. 13—Boan Geste Farms, Hampshire and Suffolk Sale, Oskaloosa, Iowa; Roy B. Warrick.

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J. E. HALSEY, 1912 Grand Ave., Des Moines.
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We publish the FIRST and THIRD Saturday of every month. Copy for livestock advertising must reach our office FIFTEEN days before date of issue.

Livestock News

The Midiowa Hereford Association had a good turnout for their fourth annual spring show and sale, held at Marshalltown on April 25. The warmest day of the season found the spectators for the free-sale show and the judges, Ray Snell, Dickinson, N. D., and John C. Wisdom, Des Moines, enjoying the sunshine in their shirt-sleeves, while inspecting the strong set of bulls that were led out to compete for the blue ribbons. Mrs. Harold J. Peterson, Liscomb, Iowa, secretary-treasurer for this large association, deserves much credit in having all the pre-show and sale arrangements well planned and in assembling such a large lot of useful cattle. Joe W. Fitzgerald, Melbourne, Iowa, consigned the high-selling bull, he being a deep-bodied, well-balanced son of Royal Rupert 98th, out of a Domino Mischief dam, that sold for $760 to Chas. H. Sells, Grinnell, Iowa. A. J. Minish & Sons, Dysart, Iowa, consigned a first-place winner, a son of WHR Triumph Domino 13th, that brought $725 on the final bid of Marvin Krueger, Shellsburg, Iowa. Harlow Witt, of Melbourne, Iowa, paid $710 for the C. H. Siek & Son, Blairstown, Iowa, consignment by Silver Blanchard. Simon Muller, Melbourne, Iowa, paid $625 for a coming yearling consigned by Fitzgerald. John C. Wisdom paid $825 and $570 for the high prices in the females. Both of these were from the Minish herd, one of which had a calf at side by Tama Triumph 44th and was mated to WHR Molder 5th. The 26 females sold for an average of $333.50, with the 72 bulls going for $314 each, making a general average of $320 on the 108 lots. All the cattle except one sold to Iowa buyers. G. H. Shaw was the auctioneer.

Around the Farm AND IN THE Feed Lot

by E. A. KELLOWAY

IT LOOKS like hog numbers are up considerable this spring. Department of Agriculture figures show increases of 20% or better in most states. In the heart of the Corn Belt the increase is even more pronounced. Meanwhile, hog quotations have been edging downward ever since last September, and there is a strong possibility of some more sharp breaks later this year. It looks like pushing the early pigs for August deliveries will be good business this year.

BECAUSE early marketings indicate the best returns, and because there are greatly increased numbers of early pigs to consider this summer, we'd like to suggest employing every possible way to push the porkers. That means early vaccination, and, where necessary, early worming. It means plenty of good clean ground to pasture and lots of fresh water and shade. Of course, it also means balanced rations, and with the balanced rations good minerals such as we provide at Walnut Grove.

SOYBEAN PLANTINGS are about completed, but the wonders of the soybean never cease. Moreover, the story gets better and better as soys are getting into more and more things. A seven-course dinner may be served with soybeans in every course. More soybean oil than any other vegetable oil is used in shortenings, including margarine. Soybean products go into paints, varnishes, plastics, fire extinguishers, insect spray, glue, shotgun shells, writing paper, clothes, and, yes, even ice cream.

MANY SPRING PIGS are weaned or right at the weaning period, and unless you are one of those fellows who vaccinate pigs on the sows you are naturally going to be very careful now to see that your pigs are in good shape before vaccinating. Walnut Grove can play a very important part in helping to hold these pigs in thrifty condition at this critical period. Among our many customers in Buena Vista county who use Walnut Grove in all their feeding plans are John Swanson, Ray Dorn, Oscar Williams, Elmer Taylor, Phil Miller, Earl Lichtenberg and Wilson A. Perry. These men are being serviced by our representative in that territory, Ward Taylor, of Storm Lake, Iowa.

PRICES ON POULTRY have been pretty low this spring. About the only way to beat the low quotations is to push the cockerels for market at the fastest possible pace. Feed is plentiful, and some of it is relatively cheap. Many poultry producers find the most profitable gain on cockerels is up to three and one-half or four pounds. State college experts are suggesting marketings at between three and four pounds.

PIONEER LIVESTOCK shippers were honored recently at Omaha when the Omaha Chamber of Commerce and the Omaha Livestock Exchange recognized 40 farmers who had been sending their stock to the Omaha yards for 50 years or more. Oldest to be recognized was 89-year-old Swan Walstrom, of Craig, Neb., who started marketing cattle and hogs back in 1890. Longest record of shipments to Omaha was by Bill Plumer, 83, of Council Bluffs, who has been shipping stock since 1881.

IT'S HAYING TIME, a time of hard work, but also an interesting season. "Making hay while the sun shines" still applies, but if we let the sun shine on it too long we may lose too many good leaves. Cutting time needs stressing, too. Alfalfa makes the best hay between the first bloom and one-tenth bloom stage. Red clover is best for cutting when about half the plants are blooming. Side-raking into small windrows four hours after cutting also helps save the precious leaves.

GRASS SILAGE is becoming increasingly popular, and is a great help when unfavorable weather hits at haying time. Moreover, hay put into silage has higher feeding value than that put up in the regular way. But ensiling hay has some drawbacks. Expensive chopping and blowing equipment is needed to keep labor costs down. Silos or other storage facilities, like slat cribs, are needed, and air must be kept from hitting the silage. However, there is less fire hazard with ensiled hay.

IT IS becoming more and more self-evident that all livestock, in order to do the best for the feed consumed, must have balanced rations. The day of corn alone has long since passed. Most farmers now feed balanced rations according to their ability to mix them. Among our many customers in Sioux county, who use Walnut Grove in all of their balanced feeds, we find Dick Duistermars, Gerrit B. Koerselman, Ted Bartman, Peter, Jasper and Joe Velthuizen, brothers on three different farms, and Roy Rens. These men secure Walnut Grove and the service that goes with it through our representative in that territory, Paul Van Donge, of Sioux Center, Iowa.

WITH HOT weather almost upon us, milk cooling becomes increasingly important. A. W. Rudnick, of Iowa State College, urges all milk producers to check their cooler now. Drain, clean out and seal up cracks in the tank or insulation box. Fast, efficient water cooling makes for higher quality milk.

FOR MANY YEARS, Walnut Grove has been one of the most outstanding complete mineral mixtures on the market. The manufacturers of this product believe in quality, and will always make quality minerals. Wherever improvement can be made in Walnut Grove, it will be made. Customers in Linn county, Iowa, among many others who believe in Walnut Grove quality, include Darryl Kohl, Lauren & Warren Tonne, Ted Kemper, William Sperfslage, M. P. McShane, Henry J. Peters and Ervin Butz. These customers get their service through our representative in that territory, Harley McDowell, of Marion, Iowa.

MEN at Michigan State College have invented a self-cleaning drinking fountain for stock. They rigged up a dairy barn drinking cup with a built-in siphon trap and drain that permits it to be flushed like a toilet. When a hog wants a drink, he pushes down the valve control. If held down too long, instead of overflowing, the fountain flushes, and water is siphoned out, carrying mud with it. The drain can even be connected to a tile line to carry away waste water. The waterer can be adapted for use by cattle, horses and sheep.

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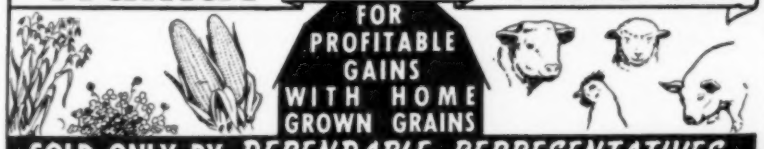

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Livestock News

The Marellbar Farms, Libertyville, Ill., held their Shorthorn sale on April 30, with a small, select draft from Susanna Farms. The sale attracted a good crowd of cattle men from a wide territory. William Bartholomay, Jr., owner, extended a cordial welcome to his guests, and John Blume, manager, made a brief statement with regard to the cattle. Marellbar Formation, by the champion Marellbar Mandate, was the first to sell, and after a spirited contest fell to the bid of $2,900, to Reser & Siverling, of Walla Walla, Wash. Pittodrie Remembrance sold for $1,000 to Frank Jackson, Grant, Mich. Imp. Isa Clara topped the females at $2,000, and went to Hi Ho Farm, Phoenix, Md. Imp. Cluny Princess 40th was secured by James Napier for Arcadia Farms, Northfield, Ohio. Imp. Saltoun Aldine Broadhooks and calf sold for $1,800 to Edellyn Farm, of Wilson, Ill. S. J. O'Bryan, owner of Susanna Farms, Lake Villa, Ill., sold six choice heifers bred to Imp. Glastullich Spearhead. The top was Susanna Flower 5th, selling for $925 to Edellyn Farm. The six head averaged $784. Marellbar Farm sold six bulls for $886 each and 35 females for $906 each, and the 42 lots brought $37,905, a general average of $902. Cattle went to buyers in 12 states and Canada, distributed as follows: Iowa 2, Wisconsin 7, Illinois 14, Oklahoma 3, Maryland 3, Ohio 2, Kentucky 2, Washington 2, South Dakota 1, Indiana 1, Michigan 1, Tennessee 1, and Canada 3. Auctioneers, J. E. Halsey and Hamilton James.

O. B. Miller & Sons, Bloomfield, Iowa, dispersed their White Bush Herefords on April 27. The herd bull, Super Blanchard V M, by Super Blanchard 2d, by Super Anxiety 5th, had several calves selling in the sale that stamped him as a breeding bull. He sold for $990 to James C. Botts, Mexico, Mo. The young bulls by this sire sold for $450 to Jim Melvin, Bloomfield, Iowa, and for $400 to E. R. Christopherson, Mabel, Minn. Calvin Calvert, Richmond, Mo., paid $710 for a coming five-year-old Battle Mischief cow, selling with an outstanding bull calf at side sired by the Miller herd bull. Norris E. Gaffney, Memphis, Mo., paid $685 for a Battle Blanchard four-year-old cow with a choice heifer calf at side. L. T. Davis, Cameron, Mo., gave $650 for the coming four-year-old Advance Domino 161st cow, selling with a good bull calf at foot by the herd sire. The four bulls averaged $558. The 23 females averaged $421, making a general average on the 27 lots of $441. The cattle sold to buyers from Iowa, Illinois, Missouri and Minnesota. Guy Pettit was the auctioneer.

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Your neighbors who have used other machines can tell you what a Surge will do that other machines don't do—your Surge Service Dealer can show you how it does it. He might be able to milk that cow that your machine won't milk ... anyhow he's willing to try.

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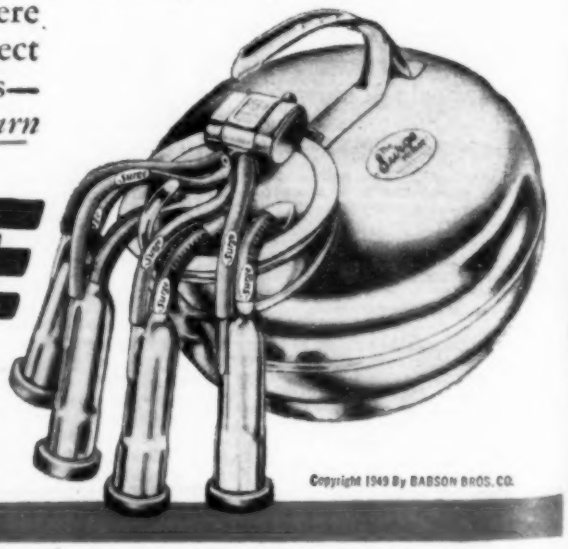
SURGE

with the built-in TUG & PULL



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